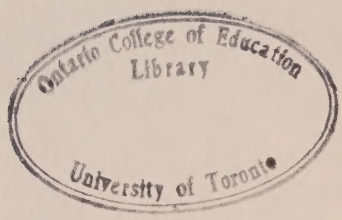
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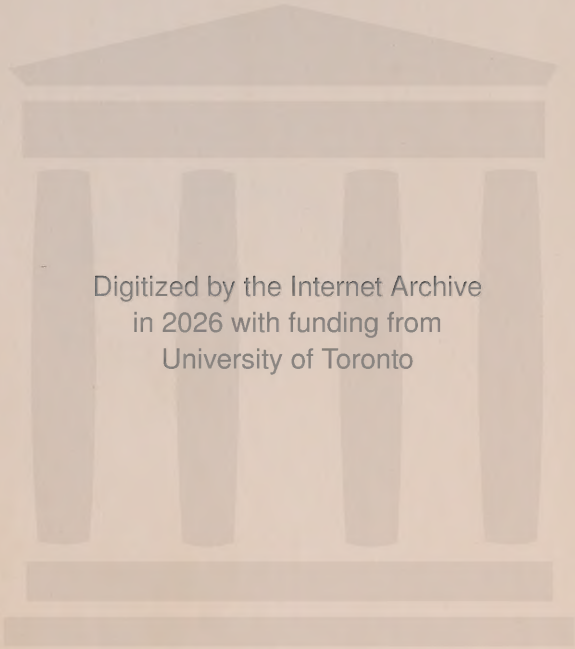
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UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education
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Ontario College of Education

1950-1951

In view of increasing costs of supplies and labour, residence dues and other charges set forth in this calendar are subject to change by the Board of Governors.

UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education

1950-1951

THE UNIVERSITY OF TORONTO PRESS
1950

ADMINISTRATIVE OFFICERS

The University

President.....Sidney Smith, K.C., M.A., LL.B., LL.D., D.C.L.

Registrar.....J. C. Evans, B.A.
Librarian.....W. S. Wallace, M.A., LL.D., F.R.S.C.
Warden of Hart House.....N. Ignatieff, M.B.E., B.Sc.
Director of University Extension....W. J. Dunlop, B.A., B.Paed., LL.D.
Assistant to the President.....C. T. Bissell, M.A., Ph.D.

Comptroller.....R. E. Spence, B.A., A.C.A.
Bursar and Secretary to the Board of Governors..C. E. Higginbottom, F.C.I.S.
Superintendent of Buildings and Grounds.....A. D. LePan, B.A.Sc.
Chief Accountant.....G. L. Court, D.F.C., B.Com., C.A.

Director of University Health Service
C. D. Gossage, O.B.E., M.D., F.R.C.S.
Assistant Director of University Health Service—Women
Miss F. H. Stewart, B.A., M.D.
Director of Athletics and Physical Education—Men..W. A. Stevens, B.S.
Director of Athletics qnd Physical Education—Women..Miss Z. Slack, B.A.
Acting General Manager of the University of Toronto Press
A. G. Rankin, B.Com., C.A.
Editor of the University of Toronto Press
G. W. Brown, M.A., Ph.D., F.R.S.C.
General Secretary-Treasurer of the Students' Administrative Council
E. A. Macdonald, B.A.
Associate Secretary of the Students' Administrative Council
Miss A. E. M. Parkes, B.A.
Director of Hart House Theatre.....R. S. Gill, M.A.
Director of the Placement Service.....J. K. Bradford, O.B.E., B.A.Sc.

Ontario College of Education

President.....Sidney Smith, K.C., M.A., LL.B., LL.D., D.C.L.
Dean.....A. C. Lewis, M.A., D.Paed.
Director of the Department of Educational Research
J. A. Long, B.A., Ph.D.
Director of the Vocational Guidance Centre.....M. D. Parmenter, M.A.
Director of the Department of Vocational Training and Industrial Arts and Crafts.....R. D. Phillips, B.Sc.
Supervisor of Practice Teaching.....H. A. McGuire, B.A., B.Paed.
Supervisor of Women Students.....Miss Helen B. St. John, M.A.
Secretary.....Miss Lyda Swinarton

Note.—Communications to the Ontario College of Education should be addressed to the Secretary, Ontario College of Education, 371 Bloor Street W., Toronto 5.

CALENDAR, 1950-1951

1950—July 4.....Summer Session (Pedagogy) opens.

Aug. 4.....Summer Session (Pedagogy) closes.

Sept. 19-23...Medical Examination.

Sept. 20.....Academic year begins at 9 a.m.

Sept. 20.....Address by the President to the students of all faculties and schools at 3.45 p.m. in Convocation Hall.

Oct. 5.....Meeting of Council.

Nov. 2.....Meeting of Council.

Nov. 11.....Remembrance Day Service at 10.45 a.m. Lectures and laboratory classes withdrawn from 10 a.m. to 11.15 a.m.

Dec. 7.....Meeting of Council.

Dec. 20.....Last day of lectures. Term ends at 5 p.m.

1951—Jan. 3.....Winter Term begins at 9 a.m.

Jan. 4.....Meeting of Council.

Jan. 20.....Last day for receiving the second instalment of fees.

Feb. 1.....Meeting of Council.

Mar. 1.....Meeting of Council.

Mar. 23.....Good Friday.

Apr. 2.....Spring Term begins.

May 3.....Meeting of Council.

May 11.....Last day of Lectures.

May 14-25...Final Examinations (except for candidates for Intermediate and Specialist Industrial Arts and Crafts certificates).

June 6, 7, 8...University Commencement.

June 4-7.....Final Examinations for candidates for Intermediate and Specialist Industrial Arts and Crafts certificates.

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Courses in Education

GENERAL INFORMATION

In its courses in Education the Ontario College of Education trains candidates for diplomas and certificates as teachers and in particular for Provincial certificates as teachers of Art and Crafts, Home Economics, Physical Education, Vocal Music, Instrumental Music, Commercial Subjects, Vocational Education, Industrial Arts and Crafts, as High School Assistants and as First Class Public School teachers. It also offers courses leading to the B.Paed., D.Paed., M.A., and Ph.D. degrees.

The buildings of the Ontario College of Education on Bloor Street contain lecture-rooms, laboratories, and reading-rooms for the accommodation of the students, and model class-rooms for observation and practice-teaching. So far as necessary the observation and practice-teaching are supplemented by observation and practice-teaching in schools in and near the City of Toronto.

While the chief exercises of the Ontario College of Education will be conducted in the buildings on Bloor Street, the students in Education may use the University's library, gymnasium, and athletic fields, and Hart House, under such conditions as obtain with other students. They will also be admitted free to the Royal Ontario Museum, Bloor Street, and to the Toronto Art Gallery, Dundas St., from 9 a.m. to 5 p.m., on presentation of their registration cards.

BOARD AND LODGING

The Secretary of the Ontario College of Education will forward lists of boarding-houses on request.

COURSES AND CERTIFICATES

1. (1) The following courses are offered:

(*a*) Courses for Interim High School Assistants' certificates, Type B; Interim High School Assistants' certificates, Type A,[1] including Physical Education, Art and Crafts, Instrumental Music, and Vocal Music;[2] Interim First Class Public School certificates;[3] Interim Elementary certificates in Art and Crafts; Interim Elementary Type A certificates in Physical Education, Industrial Arts and Crafts,[4] Instrumental Music, and

[1]See Section 18 (1).

[2]The courses leading to High School Assistants' certificates, Type A, in Physical Education, Art and Crafts, Instrumental Music and Vocal Music are open only to those who qualify under section 26 (*c*), (*d*), or (*e*).

[3]This course may not be completed in the regular College session but requires a subsequent summer session before the candidate will be recommended for the certificate.

[4]This course may not be completed in the regular College session but requires two subsequent Summer sessions before the candidate will be recommended for the certificate.

Vocal Music; Interim Intermediate certificates in Art and Crafts, and Home Economics; Interim Elementary Commercial certificates; Interim Ordinary Vocational certificates; and for Intermediate and Specialist certificates in Industrial Arts and Crafts.

(*b*) Courses for the B.Paed. degree.

(*c*) Courses under the School of Graduate Studies for the degrees of D.Paed., M.A., and Ph.D.

(2) High School Teachers' Certificates.[1]

(*a*) Grades of Certificates:

The following grades of certificates qualify the holders for teaching in High Schools and Collegiate Institutes:

(i) An Interim High School Assistant's certificate, Type B, which qualifies the holder for two years as an Assistant.

(ii) A Permanent High School Assistant's Certificate.

(iii) An Interim High School Assistant's Certificate, Type A, which qualifies the holder for two years as an Assistant and as the head of a department in a Collegiate Institute.

(iv) A High School Specialist's Certificate.

(v) A High School Principal's Certificate.

(*b*) Requirements for the above Certificates:

(i) For an Interim High School Assistant's Certificate, Type B: The completion of the professional course of training for this certificate at the Ontario College of Education.

(ii) For a Permanent High School Assistant's Certificate: The Interim High School Assistant's Certificate, Type B, and two years' successful teaching experience in Ontario in a secondary school or in Grades IX or X of a Public or Separate School.

(iii) For an Interim High School Assistant's Certificate, Type A: The completion of the professional course of training for this certificate at the Ontario College of Education.

(iv) For a High School Specialist's Certificate: An Interim High School Assistant's Certificate, Type A, and two years' successful teaching experience in Ontario in the subject or subjects covered by the Interim High School Assistant's Certificate, Type A.

(v) For a High School Principal's Certificate: For this information consult the regulations of the Department of Education.

(*c*) The holders of Interim High School Assistants' Certificates, Type B, or Permanent High School Assistants' Certificates may secure Interim High School Assistants' Certificates, Type A, under the conditions outlined in Section 17 of this calendar.

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[1]For certificates in Vocational Training and in Industrial Arts and Crafts, see Section 76.

SESSION

2. Enrolment will take place and the medical examination will begin at 9 a.m., Tuesday, September 19th. The Autumn Term will end December 20th, at 5 p.m., and the Winter Term will begin January 3rd at 9 a.m. The Spring Term will begin April 2nd and end May 25th.

DUTIES OF STUDENTS

3. (1) Regular attendance on the part of candidates for Provincial certificates is indispensable, except for such as are exempt from attendance under the regulations of the Department of Education, and for such as are permitted by the Dean to act, after Christmas, for not more than a total of one fortnight, as substitute teachers in the schools of Ontario.

(2) Students whose class-work shows them to be unduly deficient in scholarship, or whose conduct, attendance or progress is unsatisfactory, may be dismissed from attendance by the Dean at any time during the session.

(3) On the Dean's report to the Minister of Education as to the physical unfitness of a student for training for a Provincial certificate as a teacher, the Minister may require a special medical examination of such student, and, as a result thereof, may direct that his registration for such training be cancelled.

(4) Various religious, athletic, literary and dramatic associations are formed each session. For professional improvement all students shall share in the activities of the literary and dramatic associations.

FEES

4. (*a*) For Intramural Students:

High School Assistant's Course, Type B, One-Year Intermediate Home Economics Course, and Vocational Training and Industrial Arts and Crafts courses.

*Academic Fee	†Incidental Fees	Total Fee (if paid in one instalment)	First Term Instalment due Sept. 20	Second Term Instalment due Jan. 20
		Men		
$125	$26[1]	$151	$101	$50
		Women		
$125	$14[1]	$139	$89	$50

Notes: 1. The Academic Fee (which includes the examination and University Library fees) and the Incidental Fees are to be paid to the UNIVERSITY OF TORONTO. After January 20th, an additional deferred payment fee of $1 per month shall be imposed until the whole amount is paid.

2. A College Library deposit of $1 is to be paid at the College.

3. There is no additional fee for a High School Assistant's course, Type A, or for a Supplementary course when taken concurrently with the High School Assistant's course, Type B.

*The fee is the same for the regular College Session as for the Session after Christmas. For those who have not attended an Ontario Secondary School for at least two years or who have not graduated from an Ontario University or whose home addresses as recorded on the register of the University from which they graduated are outside the Province of Ontario, the Academic Fee is $200.

†These Incidental Fees include the following fees:—

For men—Hart House; Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

For women—Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

[1]A student who holds an Ontario teaching certificate will pay $24 or $12, as the case may be, because he or she will not be required to take a medical examination.

(*b*) For Extramural Students:

Fee for the final examinations of the High School Assistant's course, Type B, which includes the fee for the final examinations of the High School Assistant's course, Type A, if taken concurrently	$20.00
Fee for the final examinations of the High School Assistant's course, Type A, if taken in a different Session from the final examinations of the High School Assistant's course, Type B	5.00
Fee for examination in one subject of any course when repeated in a subsequent Session	2.00

5. (1) EXEMPTION FROM FINAL EXAMINATIONS

Exemption from the final examinations of the various courses in which they are enrolled may be granted, in one or all, to intramural candidates, whose fees are paid in full by May 11, 1951, and whose progress and achievement have been reported as satisfactory by the supervisor of practice-teaching and by all of the instructors in the various subjects of study. The report of the supervisor of practice-teaching shall be based upon the critics' estimates of the practice-teaching of students concerned, and the reports of the instructors in the subjects of study shall be based upon term tests, assigned term-work and the instructors' observation of the students' interest and effectiveness in the work of the course or courses concerned.

(2) FINAL EXAMINATIONS

No candidate will be permitted to take more than twice any final examination, or part thereof, for any certificate listed in this calendar.

APPEALS

6. The answer papers of the final examinations of all unsuccessful candidates for Provincial certificates are re-read by the examiners, and the results of the first reading reconsidered before a decision to reject is reached. Despite this fact any unsuccessful candidate may have his case considered a third time if within two weeks after the announcement of the results he lodges with the Minister of Education his appeal, with a statement of the grounds on which it is based, and with a fee of $2.00. The fee will be refunded if the appeal is sustained.

7. SCHOLARSHIPS AND PRIZES[1]

NOTE

On account of the continued tendency towards lower rates of interest, it is possible that the value of certain endowed scholarships and prizes at the time of payment may prove to be less than the amount stated in the calendar.

In those cases where the amount of the award is not payable from income earned on an endowed fund, payment will be dependent on the receipt of the amount of the annual award from the donor.

THE HUGH W. BRYAN MEMORIAL SCHOLARSHIP OF THE ONTARIO SECONDARY SCHOOL TEACHERS' FEDERATION

(1) The Ontario Secondary School Teachers' Federation has founded an annual scholarship of the value of the interest on $2,000 in memory of a former President of the Federation, Dr. Hugh W. Bryan. This scholarship will be awarded by the Bryan Memorial Scholarship Committee of the Federation, at the close of each session and after the receipt of a report from the Council of the College of Education, to the student in regular attendance throughout the session in the High School Assistants' Course who has shown "the most outstanding qualities of scholarship, teaching ability, and character."

THE LAURA L. OCKLEY SCHOLARSHIP IN HOME ECONOMICS

(2) Former students of Miss Laura L. Ockley, who was in charge of the training of Home Economics teachers in the University of Toronto from 1912 to 1943, have founded in her honour an annual scholarship of the value of $100. This scholarship will be awarded at the close of the session to a student in regular attendance in the High School Assistants' course, Type A, in Home Economics, or in the Intermediate Home Economics course, who has shown the most outstanding qualities of "scholarship and teaching ability in Home Economics and leadership in human relations." Awards over a period of years will be made to students of the High School Assistants' course, Type A, in Home Economics, and of the Intermediate Home Economics course in proportion to the registration in these courses during that period.

THE PAKENHAM MEMORIAL PRIZE

(3) As a memorial to Dr. William Pakenham, Dean of the Ontario College of Education from 1907 to 1934, the teachers of Ontario have founded an annual Memorial Prize of the value of the interest on $1,000.

[1]Only one scholarship or prize shall be awarded to any one student.

The Prize will be in the form of books stamped with the Coat of Arms of the University of Toronto, and will be awarded to the student who obtains the highest standing, as reported in the annual returns of the College, in the subjects of Science of Education, School Management and any other two subjects of Part I of the High School Assistants' course, Type B, and in Practice Teaching.

THE WILLIAM PAKENHAM FELLOWSHIP IN EDUCATION

(4) The late William Pakenham bequeathed to the University of Toronto the residue of his estate to be used as the governing body of the University may direct in behalf of the activities of the Ontario College of Education.

Accordingly a Fellowship in Education has been established for advanced work either in the University of Toronto or in some other university approved by the Senate. The Fellowship shall be awarded at such intervals and have such value (not to exceed $3,000) as the Senate, on the recommendation of the Council of the Ontario College of Education, may from time to time determine. Applicants must be residents of Ontario, holding a Bachelor's degree, a teacher's certificate valid in a Canadian province, and must submit a record of professional experience and evidence of ability to make a contribution to education in Canada as a result of further work.

Applications shall be made on or before March 1st to the Secretary, Ontario College of Education.

DOMINION-PROVINCIAL STUDENT-AID BURSARIES

(5) Under this programme, Bursaries may be awarded to students in financial need who are resident in Ontario and who are in attendance at the University of Toronto. Further information may be obtained from the Secretary of the Faculty.

HART HOUSE

8. All men students are required to become members of Hart House. The purpose and the conditions of this membership are defined in a bulletin to be distributed at the time of registration.

UNIVERSITY HEALTH SERVICE

Membership. Membership in the University Health Service is obligatory for all students, with the following exceptions:

(*a*) Women living in residence at Victoria College, for whom the College provides its own Health Service.

(*b*) Students in the Pass Course for Teachers, in courses leading to the degrees of Bachelor of Science in Medicine, Bachelor of Science in Dentistry and Bachelor of Pedagogy; and certain graduate and occasional students.

Those for whom the fee is not compulsory may be granted membership on payment of the fee, provided this is done at the time of registration.

Objective. The objective is the preservation and promotion of the health of the students.

Facilities. The Health Service maintains a close liaison with the Medical Service of the Department of Veterans Affairs.

(1) Medical Examination. By order of the Board of Governors, a medical examination by the Health Service is compulsory for:

(*a*) Undergraduate students in their first year of attendance at the University. This examination is to be completed within one month of registration. Thereafter, the examination is to be repeated following any serious illness or accident.

(*b*) Any undergraduate student who, at the previous year's examination, was placed in a Category below B, i.e. B(NS), B(NBC), D, and E.

(*c*) Any student, graduate or undergraduate, whose domicile is not in Canada. This examination is to be completed annually within one month of registration.

(*d*) Any student, graduate or undergraduate, where the Health Service has reason to believe that such an examination is necessary in the interest of the health of the student or of the public.

(*e*) Any student, graduate or undergraduate, annually, before participating in organized competitive athletics. The Health Service shall have the right to debar any student on medical grounds from participating in athletics, and also to recall any athlete for examination.

An opportunity will be afforded annually for all students to have a medical check-up if they so desire.

(2) X-Ray Chest Survey for Pulmonary Tuberculosis. By order of the Board of Governors, the following groups of students must have an x-ray examination of the chest as arranged by the Health Service:

(*a*) All new students.
(*b*) All final year students.
(*c*) The following students annually:
  (i) Medical students.
  (ii) Students of the School of Nursing.
  (iii) Students whose domicile is not in Canada.
(*d*) Dental students in their first year and last two years.
(*e*) Any student for whom it is considered necessary.

(3) A Clinic Service. Any student may consult a Staff Physician at the Health Service between the hours of 9 a.m. to 4:30 p.m., Monday to Friday, and 9 a.m. to 12:30 p.m. Saturday, while the University is in session. It is essential that students should develop a sense of personal responsibility for the preservation and promotion of their own health, and if they are not enjoying good health, they are urged to consult a physician at this clinic.

(4) Athletic Injury Service. The University does not accept any responsibility for injuries sustained by students while engaged in physical education classes or in University athletic activities, but through the Student Health Service, provides for treatment within the following limits. Minor conditions are treated at its offices and at Hart House Surgery during certain hours. In the case of more serious injuries requiring specialist or hospital care, it will provide further treatment within the limits set out hereafter, provided such treatment is taken under the direction and care of staff retained by the Health Service. Treatment is limited to students who have paid the Health Service fee, and who suffer accidents while engaged in, and which arise out of University physical education classes and competitive athletics or physical recreational activities, other than skiing, sponsored by the University of Toronto Athletic Association, the Women's Athletic Association, and by the Hart House Squash Club. Members of the University and Interfaculty Ski Squads, if registered as such with the University of Toronto Athletic Association, are covered while skiing as members of such Squads.

In order to qualify for these benefits, it is necessary to notify the Health Service of injuries within twenty-one days of their occurrence. It shall be the student's responsibility to provide proof of his eligibility for this treatment.

Benefits: If such injuries shall necessitate within 90 days from the date of accident, any of the following benefits, the Health Service will provide:

(*a*) Hospital and Infirmary Benefits. The actual cost of confinement to a licensed hospital or a University Infirmary, but not exceeding $7.00 per day in the case of hospital and $5.00 per day in the case of Infirmary; and for a total period not exceeding ninety days in respect of any one accident to any one student.

(*b*) Certified Specialist Fees. The proper fees of legally qualified and certified specialists in any branch of medicine or surgery, but not exceeding the fees provided for such services in the Ontario Medical Association Schedule of Fees; and in no event exceeding $200 if such injured student is hospitalized for twenty-four or more hours, or $100 for all other cases.

(*c*) Miscellaneous Expenses. The amount expended but not exceeding $100 in any one case for the services of an anaesthetist, the use of an operating room, x-rays, surgical dressings or medicine, if such services and supplies shall be provided in a licensed hospital. Ambulance charges are included in the above.

(*d*) Dental Fees. The cost of dental x-rays and dental fees not exceeding $100 for the treatment of injury to sound, natural teeth.

(*e*) Other Insurance. Where a student is eligible for similar benefits under any other prepaid plan, the University Health Service shall be responsible only for that amount in excess of those other benefits and up to the limits above stated.

Exclusions. The benefits provided by the Athletic Injury Service shall not cover injuries sustained in transit to or from the specified activities. Nor shall it cover hernia or bacterial infections (except pyogenic infections which shall occur through an accidental cut or wound) or any other kind of disease. Nor shall it cover any injury caused directly or indirectly, wholly or partly, by willful misconduct or rowdyism, or by bodily or mental infirmity. Nor shall it cover any costs the result of accident causing miscarriage, abortion, or aggravation of pregnancy.

(5) Health Education. The Health Service provides health education through individual consultations and at times by lectures on subjects related to the preservation and promotion of health.

For students living away from home who have not a private physician, the following services will, when available, be provided for a nominal additional charge. In the case of students on rehabilitation grants, these charges will be borne by the Department of Veterans Affairs.

(6) A Visiting Service. An initial visit only will be paid for advice and disposal. A nominal charge of $1.00 during the day (9 a.m. to 6 p.m.) and $2.00 at night (6 p.m. to 9 a.m.) is made for this visit and is payable to the Chief Accountant.

(7) An Infirmary Service. This service is for the treatment of minor illnesses only, and is available from October 1st to May 15th, and during the actual session only. A charge of $3.00 per day, payable to the Chief Accountant, is made to cover cost of meals, nursing and routine medications.

Appointments. (a) *Medical Examinations.* These examinations commence immediately after Labour Day in September. The examinations are by appointment only, which may be made either by telephone or in person at the Health Service offices. The importance of keeping and being on time for the appointment as made, cannot be over-emphasized. Undergraduate students in their initial year of attendance at the University, students whose domicile is not in Canada, and all students, graduate or undergraduate, proposing to engage in athletic activities, will be examined first. The remaining years will be offered an opportunity for this examination in succession. Examinations must be completed before March 15th. (b) *X-Ray Examination of Chest.* The Tuberculosis Survey takes place early in the Autumn Term. Arts Men students, and all Women students, make their appointments in person at their respective Health Service offices. Appointments for Men students in faculties other than Arts are made through their Class President. *The Varsity* should be carefully watched for notices relative to all appointments.

Communicable Diseases. Any student who has suffered from one of the communicable diseases must report to the Health Service prior to returning to the University.

Students Whose Domicile is not in Canada. All such students are required to submit with their formal application, a certificate by a qualified medical practitioner stating that:

(1) the student is in good health and free from contagious or infectious disease, and fit to pursue his proposed course of study at this University.

(2) in addition, an x-ray film of the chest has been made within one month of the certification, and shows no evidence of tuberculosis.

They are further warned that their registration is conditional on their passing the required health examination by the University Health Service, which includes an x-ray of the chest and which must be completed within one month of registration.

Fee. The Health Service Fee is included in the "University Incidental Fees" and is paid at the time of registration.

Directory	*Address*	*Telephone*	*Hours Open*
Health Service (Men)	43 St. George St.	MIdway 9644	Monday to Friday, 9 a.m. to 5 p.m. Saturday, 9 a.m. to 1 p.m.
Health Service (Women)	43 St. George St.	MIdway 2646	Monday to Friday, 9 a.m. to 5 p.m. Saturday, 9 a.m. to 1 p.m.

N.B. This office is closed during vacation periods. At these times, general information may be obtained from Health Service (Men), and those eligible for service may make an appointment to see Dr. Frances Stewart or her substitute at her private office, by telephoning KIngsdale 7537.

Hart House Surgery	Hart House	MIdway 5838, Local 201	Monday to Friday, 5 to 6:30 p.m. (during actual session only.)
Infirmary (Men)	42 St. George St.	MIdway 3017	Open October 1st to May 15th and during the actual session only.
Infirmary (Women)	Women's Union, 79 St. George St.	KIngsdale 8163	

Accidents which occur after 6:30 p.m. (or 1 p.m. on Saturday), or which are of a sufficiently serious nature as to require immediate hospital attendance, should be taken:

Men: To the Emergency Department, Toronto General Hospital, College St.

Women: To the Emergency Department, Women's College Hospital, 76 Grenville St.

To obtain a physician after hours call KIngsdale 8163; if no answer, call KIngsdale 4141, and ask for the University Health Service physician.

UNIVERSITY ADVISORY BUREAU

The University Advisory Bureau seeks to make its own contribution to the life of the University by providing within the University a neutral zone where the student may discuss in freedom and in confidence personal matters of the most fundamental importance to his successful development as a student, as a worker, as a citizen and as a fully effective person.

In keeping with this objective, the Bureau performs the following functions:

(*a*) Through liaison with the University departments, the Registrars' offices and appropriate services on the campus, the Bureau furnishes information and assistance in the financial, educational and personal spheres. The Bureau, for instance, serves as a focal centre for applications to The Veteran-Students' Loan Fund and provides information on other loan facilities, including Navy, Army and Air Force Benevolent Trust Funds. Working with appropriate Registrars' offices, the Bureau helps the student to clarify details regarding entrance requirements, courses of study and related occupational goals. The Bureau is also available for consultation on personal questions involving adjustment to University life, assessment of interests, vocational direction and other matters of a similar nature; where advisable, students are referred to more specialized services.

(*b*) Liaison with D.V.A. The Bureau works closely with the Department of Veterans Affairs, both locally and with Ottawa headquarters, on all matters affecting the interests of ex-service students and in many ways serves as a campus clearing house for problems which might otherwise require to be referred to the Toronto office of D.V.A.

(*c*) Liaison with other universities. In contact with the Advisory Bureaus located at other Universities across Canada, the Bureau seeks to maintain up-to-date information on local variations in all fields significant to ex-service students—entrance requirements and application deadlines, courses available, length of training, degrees awarded, etc.

The personnel consultants associated with the Bureau have for the most part seen service in the late war and have been associated with the Personnell or Rehabilitation Directorates of the Navy, Army or Air Force.

The Bureau is located at 67 St. George Street.

COURSE FOR THE INTERIM HIGH SCHOOL ASSISTANT'S CERTIFICATE, TYPE B

CONDITIONS OF ADMISSION

10. (1) Except as provided in (2) and (3) below, an applicant for admission to the course for an Interim High School Assistant's certificate, Type B, shall make application not later than August 31st, to the Secretary of the Ontario College of Education on an official form to be obtained

from the Secretary, and should submit with this application, also on official forms which will be supplied by the Secretary:

(*a*) A certificate from the Deputy Registrar-General of Births, Parliament Buildings, Toronto, or an affidavit by one of the parents or other relative, or other person cognizant of the fact, that the applicant will be at least 20 years of age before October 1st of the year in which he applies for admission.

(*b*) A certificate from a clergyman or other competent authority that he is of good moral character.

(*c*) A certificate of successful vaccination.

(*d*) A certificate from a competent authority that he is a British subject.

(*e*) His certificate of graduation as Bachelor or Master of Arts, Bachelor or Master of Science, Bachelor of Commerce, Bachelor of Science in Agriculture, Bachelor of Applied Science, Bachelor of Household Science, Bachelor of Music[1] or Bachelor of Physical and Health Education, from a British university, after a regular university course approved by the Minister of Education as to admission requirements and as to content of the undergraduate courses.

(2) Before the final admission, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education. The medical examination shall be completed before the opening of the regular College Session.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 19th, and shall hold themselves in readiness to appear for subsequent further examination as required. *Students are required to be in continuous attendance at the College during the period of the medical examination, September 19th to 23rd.*

(3) Before the final admission, an applicant must also be approved by a Selection Committee consisting of at least three members of the College Staff and a member of the Ontario Secondary School Teachers' Federation, all of whom shall be appointed by the Dean.

(4) In the event of the rejection of an applicant in consequence of the medical examination or by the Selection Committee, and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

(5) An applicant for admission to this course who is not a candidate for the certificate of the Ontario Department of Education must comply with such conditions of admission as the Council of the Ontario College of Education may determine.

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[1]This refers to the degree in the course in School Music of the University of Toronto introduced in 1946.

(6) Applications for admission to the examinations by students not in attendance at the regular session should be made, at least one month before the examinations begin, to the Secretary of the Ontario College of Education, University of Toronto, on an official form to be obtained from the Secretary.

TEXT-BOOKS

11. The text-books for the academic work are those prescribed for the High Schools of Ontario in each subject of the student's course.

For Observation and Practice-teaching students should supply themselves with copies of all necessary school text-books. They should also familiarize themselves with the professional text-books whose titles appear in the lists given below under each subject, beginning with Section 37.

PROGRAMME OF STUDIES

12. (1) The course of training for the Interim High School Assistants' certificate, Type B, consists of two parts as follows:

Part I: (*a*) General professional courses, including an Introduction to Education, Educational Psychology, and School Management and Law.

(*b*) Courses in methods of teaching any *two* of the following:

English
Geography and History
Mathematics
Science
Latin
French
German
Greek
Spanish
Italian

Part II: Observation and Practice Teaching.

(2) Students in attendance in the High School Assistant's course, Type B, may take also, if they possess the required qualifications, a High School Assistant's course, Type A, and a Supplementary course.

(3) Diction and Voice Production.

At the beginning of the session the short course of lectures on Diction and Voice Production mentioned in Section 60 will be given. These

[1]Candidates for High School Assistants' certificates, Type A, as defined in section 18 (1), in selecting their subjects from (*b*) above, must include the corresponding subject or subjects of the High School Assistants' course, Type A.

[2]German, Spanish, Greek and Italian may be chosen only by candidates for the High School Assistants', Type A certificates except by permission of the Dean.

lectures will be supplemented by corrective work with students whose need in this respect is revealed in their practice-teaching. Students requiring speech correction may be withdrawn by the Dean from their supplementary courses for this remedial work.

ORGANIZATION OF COURSE

13. (1) The instruction in the special methodology of the subjects of the High School courses shall be accompanied by a review from the academic standpoint of such portions of each subject as may be necessary to determine the scholarship of the students and to illustrate the methods of instruction in that subject, dealing in particular with those parts of the course that are difficult of presentation.

(2) The following introductory work shall be taken up at the beginning of the session:

(*a*) A brief course in the General Method of the Recitation as a preliminary to Observation and Practice-teaching.

(*b*) Supervised Observation and Practice lessons in High School grades. Students shall be notified of the subject and scope of each Observation lesson, and should prepare the lesson beforehand. After observing the lesson they shall discuss it with the teacher or lecturer concerned.

(3) The introductory course defined in (2) above shall be followed by systematic Observation and Practice-teaching, under the general supervision of the lecturers in the Ontario College of Education.

The Observation work shall begin in the third week of the session, and the Practice-teaching in the fifth week. Exclusive of the introductory work, the programme of instruction shall include for each student at least 25 full days of Observation and Practice-teaching. This number may be increased to meet the needs of individual students.

(4) (*a*) The Observation and Practice-teaching for each student shall be arranged to represent as far as practicable the work in all grades of the Lower, Middle, and Upper Schools of the High Schools.

(*b*) From time to time, throughout the College session, students shall be excused from the regular College exercises, and shall be assigned to approved practice-schools for continuous periods of Observation and Practice-teaching. For part of each of these periods of continuous practical work the student shall be wholly responsible for the management of his class.

(5) Students shall be notified of the subject and the scope of each Practice-teaching lesson required and shall prepare a plan of each Practice-teaching lesson for submission to the teacher.

(6) (*a*) The lecturers of the Ontario College of Education shall develop the details of their subjects in the teaching order, and, after each suitable step, model lessons will be taught in special classes and in the practice schools.

(*b*) From time to time, the lecturers of the Ontario College of Education shall be present at the Observation lessons and Practice-teaching of the students and shall join in the criticism and valuation of their work.

EXAMINATIONS

14. (1) The final standing of students in attendance shall be determined by the combined results of the sessional records and the records of the final examinations in the subjects of Part I, and by the results of the records of the Observation and Practice-teaching of Part II.

(2) The sessional records represent oral and written exercises, practical work, practice in making examination papers, and in valuing the answer-papers of pupils, and written examinations which shall test in particular the academic scholarship of the candidates.

(3) At the final examinations in Part I, each paper in the academic subjects shall contain questions in methodology, which shall test also the candidate's academic knowledge and, if his sessional records and his answers to these questions show that his academic knowledge is defective, he shall be rejected on this ground alone.

(4) No student in Science or in Modern Languages shall be recommended for a certificate who is not awarded 50% of the marks assigned to laboratory practice in Science or to the oral practice in the Languages.

(5) The maximum marks assigned to each subject in Part I shall be 100. In all subjects a maximum of 40% of the marks shall be assigned to the sessional records and 60% to the final written examinations.

(6) A maximum of 800 marks shall be assigned to Practice-teaching and of 400 to Observation. The standing of the student in Observation and in Practice-teaching shall be based upon his sessional records in the lessons following those which form part of the introductory courses.

CERTIFICATES

INTRAMURAL CANDIDATES

15. (1) A student who obtains 50% of the marks in each of the required subjects of Part I and 60% of the aggregate of the marks in each of the divisions of Part II, may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim High School Assistant's certificate, Type B.

(2) A student who passes in Part II and fails in not more than one of the required subjects of Part I will be exempted from further attendance.

(3) All other students who have failed to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

EXTRAMURAL CANDIDATES

16. (1) (*a*) Candidates who are exempted from attendance at the Ontario College of Education, as provided in Section 15 (2), may complete their standing for a certificate by re-writing, at an annual examination, the examination in the subject in which they failed.

(*b*) Candidates who failed at an examination under former Regulations and who were exempted from subsequent attendance at the Ontario College of Education shall take, not later than a date determined in each case by the Minister of Education, the final examination papers as prescribed herein but their standing shall be determined in the subjects as constituted under the regulations in force when they first wrote.

(*c*) Candidates who have been exempted by the Minister of Education from attendance at the Ontario College of Education on account of equivalent training in other provinces or countries, or because they hold Permanent First Class certificates issued on the completion of a second session of attendance at a Provincial Normal School, or because they hold Permanent First Class certificates and for at least the last two years of their teaching experience have been graded better than "Average" by the Inspectors on the Teachers' Record Cards, and who are required to write on the final examinations of the Ontario College of Education shall present to the College, on or before February 15th of the year in which they write the final examinations of the High School Assistant's course, Type B, evidence of graduation as required by Section 10 (1) (*f*)[1]; they shall take the prescribed final examinations in the subjects of Part I, and shall also satisfy the examiners that they are competent to teach efficiently the subjects of the High School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

(2) The pass standard for candidates exempt from attendance shall be the same as that for candidates in attendance, as required by Section 15 (1), but no allowance shall be made for sessional work, if any, in the case of candidates not in attendance.

(3) (*a*) Candidates exempt from attendance at the Ontario College of Education under (1) (*c*) above or (4) (*a*) below shall take their practical tests in Part II at such times during the session as may be agreed upon with the examiners, but not later than May 1st. They shall take their examinations in the subjects of Part I at one annual examination at the close of the session on dates to be determined by the examiners.

[1]From candidates exempted from attendance by the Minister, the College will accept in lieu of the actual certificate of graduation, an official statement from the candidate's university that the candidate has completed the work for the degree on or before February 15th of the year in which he presents himself to write the final examinations of the College, and that he will receive the degree at the next regular Convocation of his university.

(*b*) Candidates exempt from attendance may take their written examinations in Part I at the Ontario College of Education, Toronto, or at one of the Provincial Normal Schools outside of Toronto or, in the case of candidates who live in Provincial Districts, at approved local centres where inspectors of schools are available as presiding officers.

(*c*) Candidates exempt from attendance shall take their practical tests at the Ontario College of Education, Toronto, or, in special cases, at local centres under the supervision of the visiting Provincial Inspector. The conditions that determine these cases may be learned from the Ontario College of Education on application at the beginning of the session. A candidate who has failed in the practical tests at the Ontario College of Education or under a Provincial Inspector shall not be admitted to a second practical test during the same College session.

(4) (*a*) Candidates who have fulfilled the requirements for admission to the High School Assistant's course, Type B, and (i) who hold Ontario First Class certificates issued on the completion of one session of attendance at an Ontario Normal School or equivalent training accepted by the Minister, and have had at least three years of successful teaching experience[1] in the Public, Separate, or Continuation Schools of Ontario, or (ii) who hold Permanent Second Class certificates issued on the completion of one session of attendance at an Ontario Normal School and have had at least six years of successful teaching experience in the Public or Separate Schools of Ontario, or (iii) who hold Permanent Second Class certificates issued on the completion of a second session of attendance at an Ontario Normal School, or (iv) who hold interim Vocational certificates and have had at least two years of successful teaching experience in the Vocational Schools of Ontario, shall be exempted from attendance at the Ontario College of Education but shall attend the Summer course for a High School Assistant's certificate, Type B, conducted by the Department of Education, and shall take the final examinations of the Summer course in the prescribed subjects of Part I. They shall also satisfy the examiners that they are competent to teach efficiently the subjects of the High School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

(*b*) A candidate who has been duly admitted to the Summer Session for the High School Assistant's certificate, Type B, who attends throughout the session, and who successfully passes the examinations at the close of the session, may, on the recommendation of the examiners, be

[1]Service personnel may count a year of service for a year of teaching experience, up to a maximum of two years, but *such candidates will be required to take a practical test in teaching.*

awarded by the Minister of Education an Interim High School Assistant's certificate, Type B. The recommendation, however, will be withheld until the candidate has satisfied the examiners as indicated in (4) (*a*) above that he is competent to teach efficiently the subjects of the High School courses.

(*c*) Candidates who have obtained Interim Vocational certificates by attendance at the Ontario Training College for Technical Teachers or the Ontario College of Education, and who in addition to the practice teaching lessons required for a Vocational certificate, have taught to the satisfaction of the staff of the Ontario College of Education, at least ten lessons in academic subjects (English, Mathematics and Science) shall be exempted from the practical test in teaching.

(*d*) Candidates who have attended the Summer Course or have been exempted from attendance under (i) (*c*) above, and who fail in one or more of the various tests prescribed for an Interim High School Assistant's certificate, Type B, may complete their standing for said certificate under the following conditions: (i) candidates who fail in the practical test in teaching shall be admitted to a second test in a subsequent College Session; (ii) candidates who fail in more than one subject of Part I shall rewrite at one annual examination of the College Session the examinations in all prescribed subjects of Part I; (iii) candidates who fail in not more than one subject of Part I may rewrite at an annual examination of the College Session, the examination in the subject in which they failed; (iv) candidates who do not pass the final examinations of the Summer Session will be required to take the final examinations of the regular College Session within three years of having attended a Summer Session in this course, or must re-attend the Summer Session in order to be eligible for admission to the examinations for an Interim High School Assistant's certificate, Type B.

(*e*) Other candidates who hold a First or a Second Class Ontario certificate with the academic standing required for admission to the High School Assistant's course, Type B, shall be exempted from attendance during the Autumn term[1]; but shall take all sessional tests held in the Winter and Spring terms and all the final examinations prescribed for Part I and shall also satisfy the examiners by practical tests that they are able to teach the subjects of the High School courses.

COURSES FOR INTERIM HIGH SCHOOL ASSISTANTS' CERTIFICATES, TYPE A

CONDITIONS OF ADMISSION

17. (1) Applicants for admission to the courses for Interim High School Assistant's certificates, Type A, or to the final examinations for said certifi-

[1]Application for admission to the College at the beginning of the second term in January should be made not later than December 1st. Enrolment in January may be limited according to the available accommodation.

cates, shall also be applicants for admission to the course for the Interim High School Assistant's certificate, Type B, or shall be applicants for admission to the examinations therefor without attendance throughout the session, or shall already hold High School Assistants' certificates. No candidate will be awarded an Interim High School Assistant's certificate, Type A, or receive credit towards said certificate *before* he has been awarded an Interim High School Assistant's certificate, Type B.[1]

(2) A candidate for an Interim High School Assistant's certificate, Type A, who is also a candidate for admission to the course for an Interim High School Assistant's certificate, Type B, shall comply with the conditions for admission prescribed for candidates for the Interim High School Assistant's certificate, Type B, and shall submit evidence of standing not lower than 66% in the final or graduation courses approved by the Minister of Education.

COURSES[2]

18. (1) Courses shall be offered for Interim High School Assistants' certificates, Type A, in Agriculture, Classics, English and French, English and Latin, English, Geography, History, French and German, French and Italian, French and Spanish, Latin and French, Latin and Greek, Mathematics, Mathematics and Physics, Science, Physics and Chemistry, Physics and Biology, Chemistry and Biology, and Home Economics.

(2) Courses shall also be offered leading to Interim High School Assistants' certificates, Type A, in Physical Education, Art and Crafts, Instrumental Music, and Vocal Music, under the conditions defined in Section 26.

(3) Each Type A course shall consist of at least the equivalent of two seminar-periods per week throughout the Session and of special Observation and Practice-teaching in the subjects in which the candidate is an applicant for a High School Assistant's certificate, Type A.

TEXT-BOOKS

19. Students in the courses for High School Assistants' certificates, Type A, shall supply themselves with such special professional text-books as may be recommended by the instructors from the lists given under the details of each course. The other books and journals, whose names appear in these lists, may be consulted in the library of the Ontario College of Education.

EXAMINATIONS

20. (1) Subject to the condition that no student may be awarded an Interim High School Assistant's certificate, Type A, who does not already hold or is not also awarded an Interim High School Assistant's certificate,

[1]See Section 1 (2), page 8.
[2]See footnotes 1, 2, page 20.

Type B, the final standing of students in attendance in the High School Assistants' courses, Type A, shall be determined by the records of the Practice-teaching in the department or subject concerned, and by the combined results of the sessional records and the records of the final examinations in the same department or subject. The sessional records represent oral and written exercises, practical work, practice in preparing examination papers, and in valuing the answer-papers of pupils, and such term work as the instructors may prescribe. The records of the final examinations shall be based upon two examination papers taken in each department at the close of the session. The maximum marks represented in the Practice-teaching shall be 100; in the sessional records 40; and in the final written examinations of the department or subject 60.

(2) The final standing of students not in attendance shall be determined by the final written examinations and by teaching in the department concerned. For this purpose the maximum of marks in each case shall be 100.

CERTIFICATES

21. (1) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A, referred to in Section 18 to students in attendance who have fulfilled the conditions of the course for the Interim High School Assistant's certificate, Type B, and in their High School Assistant's course, Type A, have obtained (*a*) 66% of the aggregate of marks represented in the sessional records and the records of the final examinations and (*b*) 66% of the marks assigned to the Practice-teaching.

(2) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A, of Section 18 (1) to students exempt from attendance who hold or are awarded High School Assistants' certificates, who are duly qualified for admission to a High School Assistant's course, Type A, and who obtain 66% of the marks assigned to the written examinations and to the Practice-teaching, respectively, in the High School Assistant's course, Type A, concerned.

(3) Students who are awarded Interim High School Assistants' certificates, Type A, in Home Economics under (1) and (2) above and who hold or obtain First or Second Class Public School certificates may have their High School Assistants' certificates, Type A, endorsed as valid in the Home Economics departments of the Public Schools.

(4) (*a*) For students not in attendance the written examinations in the courses for Interim High School Assistants' certificates, Type A, of Section 18 (1) will be held at the close of the session at such centres and under such conditions as are set out in Section 16 (3).

(*b*) For students not in attendance the practical examinations shall be held at the Ontario College of Education, Toronto, or at local centres as prescribed in Section 16 (3).

SUPPLEMENTARY COURSES

22. Students in attendance in the High School Assistant's course, Type B, may take also *one* of the following Supplementary courses[4]:

I. Course for the Elementary Physical Education certificate, Type A.
II. Course for the Elementary Art and Crafts certificate.
III. Course for the Elementary Vocal Music certificate, Type A.
IV. Course for the Elementary Instrumental Music certificate, Type A.
V. Course for the Elementary Commercial certificate.[1]
VI. Course for the Elementary Industrial Arts and Crafts certificate, Type A.[2]
VII. Course for the Intermediate Home Economics certificate.[3]
VIII. Course for the First Class Public School certificate.[2]

Within one month of the beginning of the above Supplementary courses, the student shall satisfy the instructor of the Supplementary course he has chosen that he is adapted to the study of the course, or his registration in the Supplementary course shall be cancelled.

23. (1) The subjects of supplementary courses I-VIII shall be those set forth in Sections 54-59 and 33 respectively. Observation and Practice-teaching are obligatory in each of these supplementary courses.

(2) Students in supplementary courses I-VIII shall supply themselves with such text-books and equipment as may be recommended.

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[1]Admission to this course is restricted to students who submit evidence of having a satisfactory functional knowledge of the elementary principles of Bookkeeping, Shorthand and Typewriting, or of having successfully completed an approved course in Bookkeeping, Shorthand and Typewriting in a Vocational secondary school or at a university, under certain conditions, to be learned at the College. A student who submits the required evidence with respect to *two* of the three subjects mentioned above may be allowed by the Dean to proceed with the course but must remove the deficiency in the third subject before being admitted to the final examinations of the course.

[2]The Supplementary courses leading to the First Class Public School certificate and to the Interim Elementary Type A certificate in Industrial Arts and Crafts may not be completed in the regular College session, but require, in First Class Public School, one subsequent Summer session and in Industrial Arts and Crafts two subsequent Summer sessions before the candidates will be recommended for the certificates.

[3]Admission to this course is restricted to students who submit evidence of graduation, with a standing not lower than 60% in the Home Economics of the final year from a University course approved by the Minister of Education in which, for at least the last two years of the course, Home Economics has been a regular subject of study.

[4]Any student may, with the approval of the instructor, take the Elementary courses in both Vocal Music and Instrumental Music.

EXAMINATIONS OF SUPPLEMENTARY COURSES I-VII[1]

24. (1) PHYSICAL EDUCATION:

Practical Tests:

FOR WOMEN: Gymnastics, Games, Rhythmics.

FOR MEN: Basic Drill, Gymnastics, Apparatus, Games, Swimming.

Fifty per cent of the marks in each of the practical tests shall be assigned to the sessional and fifty per cent to the final tests.

Written Examination:

Theory, Methods and Materials.

(2) ART AND CRAFTS:

Practical Tests:

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering.

Written Examinations:

Theory and History of Art and Crafts, Methods of Teaching Art and Crafts.

(3) VOCAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Voice Training and Song Material, Conducting.

Written Examinations:

Rudiments of Music, Music Appreciation, Methods.

(4) INSTRUMENTAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Technical Training, Conducting.

Written Examination:

Methods.

(5) COMMERCIAL SUBJECTS:

Practical Tests:

Shorthand Practice, Typewriting, Penmanship.

Written Examinations:

Shorthand Theory, Bookkeeping, Methods.

(6) INDUSTRIAL ARTS AND CRAFTS:

Practical Tests:

Draughting, Woodworking, Sheet Metal Work, Machine Shop Practice.

Written Examination:

Methods of instruction and class organization of the General Shop.

(7) HOME ECONOMICS:

Practical Tests:

Meal Management; Care of the Home and Family; Clothing—Selection, Construction and Care.

Written Examination:

Theory and Methods.

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[1]See Section 35 for Course VIII.

CERTIFICATES FOR SUPPLEMENTARY COURSES I-VII[1,2]

25. (1) On the recommendation of the examiners the Minister of Education may grant an Elementary certificate in Art and Crafts or an Elementary Commerical certificate or an Elementary Type A certificate in Physical Education or Vocal Music or Instrumental Music or an Intermediate certificate in Home Economics, or standing in Part I of the course for the Elementary Type A certificate in Industrial Arts and Crafts, as the case may be, to a student in the course for an Interim High School Assistant's certificate, Type B, provided that the said student is awarded an Interim High School Assistant's certificate, Type B, and obtains a minimum of 60% of the marks assigned to practice-teaching and (*a*) in Art and Crafts or Physical Education or Industrial Arts and Crafts a minimum of 50% of the marks assigned to each subject of the written examination and 60% of the marks assigned to each subject of the practical tests, or (*b*) in Commercial subjects a minimum of 50% of the marks assigned to each subject, or (*d*) in Vocal Music or Instrumental Music or Intermediate Home Economics a minimum of 60% of the marks assigned to each subject of the written examination and practical tests.

No student shall be recommended for a certificate or for standing in Art and Crafts or Physical Education or Vocal Music or Instrumental Music or Industrial Arts and Crafts or Home Economics or Commercial Subjects whose attendance or progress in any part of the course has been reported as unsatisfactory.

(2) The Dean shall investigate the claims of the candidates for the Elementary Type A certificate in Physical Education who report themselves as unable for physical reasons to take the course in swimming, provided that such claims are presented to the instructor on a form and after a manner defined by the Minister of Education. Candidates who are exempted by medical certificate from the course in swimming and candidates who have failed to obtain pass standing in the course in swimming may be awarded Elementary Type A Physical Education certificates endorsed "not including swimming".

(3) On the recommendation of the examiners, the Minister of Education may permit candidates in the supplementary courses I-VII who have been awarded Interim High School Assistants' certificates, Type B, and have obtained a minimum of 60% of the marks assigned to practice-

[1]The certificates which are mentioned herein are those valid for teaching in High Schools, i.e., in Physical Education, the Elementary Type A, and the Type A; in Vocal Music and Instrumental Music, the Elementary Type A, and the Type A; in Art and Crafts, the Elementary, Intermediate, and Type A; in Industrial Arts and Crafts, the Elementary Type A; in Home Economics, the Intermediate; and in Commercial Subjects, the Elementary.

[2]See Section 36 for Course VIII.

teaching but have failed to obtain standing in their respective courses to complete their standing in said courses under the following conditions:

(i) In Physical Education or Industrial Arts and Crafts or Home Economics, candidates who fail in the written examination, but pass in all the subjects of the practical tests may complete their standing by passing in the written examination at a subsequent examination without further attendance; candidates who pass in the written examination but fail in one or more of the subjects of the practical tests may complete their standing by passing in the subjects concerned at a subsequent Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(ii) In Art and Crafts or Vocal Music or Instrumental Music, candidates who fail in not more than two subjects of the written and practical tests may complete their standing by passing in the subjects concerned at a subsequent examination without further attendance, but in the subjects of the practical tests such candidates must try the tests conducted at the Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(iii) In the Commercial course, candidates shall be allowed credit towards an Elementary certificate in the subject or subjects in which they are successful.

COURSES FOR THE INTERMEDIATE TYPE A CERTIFICATES IN ART AND CRAFTS AND THE HIGH SCHOOL ASSISTANTS' TYPE A CERTIFICATES IN PHYSICAL EDUCATION, ART AND CRAFTS, VOCAL MUSIC AND INSTRUMENTAL MUSIC[1]

26. (*a*) Students in the High School Assistant's Course, Type B, who have completed the course for the Elementary certificate in Art and Crafts, or students whose progress and efficiency in the Elementary course in Art and Crafts as determined by the tests of the Autumn term, justify such action may, with the approval of the instructor concerned, be admitted to the Intermediate course in Art and Crafts not later than the beginning of the Winter term in January. Admission to the Intermediate course in Art and Crafts shall not be granted, however, to students who are registered in one of the High School Assistants' courses, Type A, listed in Section 18 except in the case of those referred to in (*d*) below.

(*b*) A student who does not hold an Elementary certificate in Art and Crafts and who is admitted to the Intermediate course in Art and Crafts under (*a*) above shall take both the Elementary course and the Intermediate course, and shall not be awarded an Intermediate certificate until or unless he secures an Elementary certificate.

[1]The courses for the Intermediate certificates in Physical Education, Vocal Music and Instrumental Music will be given only in Summer Sessions.

(*c*) Admission to the High School Assistants' course, Type A, in Physical Education as well as the Elementary course in Physical Education will be granted to students (i) who hold the degree of Bachelor of Physical and Health Education of the University of Toronto or who hold the diploma in Physical Education of the University of Toronto, with a final standing not lower than 60%, or (ii) who are otherwise qualified to enter the High School Assistant's course, Type B, and have completed the two-year normal course in physical education of the Margaret Eaton School, with a final standing not lower than 60%.

(*d*) Admission to the High School Assistant's course, Type A, in Art and Crafts as well as the Elementary and Intermediate courses in Art and Crafts will be granted to students who hold the degree of Bachelor of Arts of the University of Toronto obtained in the honour course in Fine Art or in Art and Archaeology with a final standing not lower than 60%.

(*e*) Admission to the High School Assistants' course, Type A, in Vocal Music[1] will be granted to students (i) who hold either the degree of Bachelor of Arts of the University of Toronto obtained in the honour course in Music or the Bachelor of Music degree of the University of Toronto obtained in the course in School Music,[2] with a standing of at least 60 per cent., or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the degree of Bachelor of Music of the University of Toronto obtained in the course in General Music, or (iii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the teacher's or performer's diploma in Singing of the Royal Conservatory of Music of Toronto,[3] or the Special Music certificate of Queen's University,[3] or the Associate Vocal (teacher's) diploma of the Western Ontario Conservatory of Music,[3] or the Special Music certificate of the University of Western Ontario.[3]

Admission to the High School Assistants' Course, Type A, in Instrumental Music will be granted to students who hold the Bachelor of Music Degree of the University of Toronto obtained in the course in School Music.[2]

27. Students admitted to the High School Assistants' course, Type A, in Physical Education, Art and Crafts, Vocal Music or Instrumental Music under Section 26 (*c*) (*d*) or (*e*) shall not pay an additional tuition fee, but shall supply themselves with such text-books as may be recommended by the instructors from the lists given under the details of those subjects.

28. (1) The subjects of the course for Intermediate certificates in Art and Crafts are to be found in Section 55.

(2) Observation and Practice-teaching is obligatory in this course.

[1]Students of the Type A course in Vocal Music may, with the approval of the instructor, take the Elementary course in Instrumental Music.

[2]This refers to the degree in the course in School Music of the University of Toronto, introduced in 1946.

[3]If obtained before 1948.

EXAMINATIONS

29. ART AND CRAFTS:

Practical Tests:

Drawing and Painting, Modelling and Model-making, Industrial and Decorative Design.

Written Examinations:

Theory and History of Art and Crafts, Classroom Methods and Problems.

CERTIFICATES

30. (1) On the recommendation of the examiners the Minister of Education may grant an Intermediate certificate in Art and Crafts to a student in the course for an Interim High School Assistant's certificate, Type B, provided that the said student is awarded an Interim High School Assistant's certificate, Type B, and obtains a minimum of 66% of the marks assigned to practice-teaching and a minimum of 50% of the marks assigned to each subject of the written examinations and 60% of the marks assigned to each subject of the practical tests.

(2) (*a*) On the recommendation of the examiners, the Minister of Education may grant High School Assistants' certificates, Type A, in Physical Education, Art and Crafts, Vocal Music or Instrumental Music to those admitted under Section 26 (*c*), (*d*), or (*e*) who fulfil the conditions stated in Sections 20 and 21 (1).

(*b*) Students who are awarded Interim High School Assistants' certificates, Type A, in Physical Education, Art and Crafts, Vocal Music or Instrumental Music under Section 26 (*c*), (*d*) or (*e*) and who hold, or obtain, Second or First Class Public School certificates may also be awarded Supervisors' certificates valid in Public and Separate Schools.

(3) On the recommendation of the examiners, the Minister of Education may permit candidates in the Intermediate course in Art and Crafts who have been awarded Interim High School Assistants' certificates, Type B, and have obtained a minimum of 66% of the marks assigned to practice-teaching but have failed to obtain standing in the course to complete their standing in said course under the following conditions:

Candidates who fail in not more than two subjects of the written and practical tests may complete their standing by passing in the subjects concerned at a subsequent examination without further attendance, but in the subjects of the practical tests such candidates must try the tests conducted at the Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

COURSE FOR THE FIRST CLASS PUBLIC SCHOOL CERTIFICATE[1]

The course is conducted in accordance with the conditions prescribed in the Regulations, Examinations and Courses of Study of the Ontario Normal Schools. It may not be completed in the regular College session but requires a subsequent Summer Session before the candidates will be recommended for the certificates.

CONDITIONS OF ADMISSION

31. Applicants for admission to the course for the Interim First Class Public School certificate or to the final examinations for said certificate shall comply with the conditions of admission and attendance prescribed for candidates for the Interim High School Assistant's certificate, Type B. No candidate will be awarded an Interim First Class Public School certificate before he has been awarded an Interim High School Assistant's certificate, Type B.

TEXT-BOOKS

32. The text-books for the academic work of the course shall be those prescribed in each subject for the High, Public and Separate Schools. For professional work, the following books are recommended:

Gullan and Gurrey: Poetry Speaking for Children.
Hockett and Jacobsen: Modern Practices in the Elementary School.
Hill: School Music.
Horne: The Art Class in Action.
Hughes and Hughes: Learning and Teaching.
Lane: The Teacher in the Modern Elementary School.
Marshall: Pedagogy of School Music.
McCallister: Remedial and Corrective Instruction in Reading.
Mossman: The Activity Concept.
Myers: Toward Mental Health in School.
Newkirk: Integrated Handwork for Elementary Schools.
Nicholas, Mawhood, and Trilling: Art Activities in the Modern School.
Partridge: Natural Science, A Seasonal Programme.
Pressey: Psychology and the New Education.
Quance: Teacher's Manual, The Canadian Speller.
The Association for Education in Citizenship: Education for Citizenship in Elementary Schools.

[1]Course VIII as listed in Section 22.

PROGRAMME OF STUDIES

33. The course of training, which is supplementary to the course of training for the Interim High School Assistant's certificate, Type B, includes the following subjects some of which will be offered in the regular College session, the remainder in a Summer Session:

Part I: Science of Education; School Management; Speech, Reading, and Literature; Composition, Grammar, and Spelling; Mathematics; Social Studies; Science and Agriculture; Art, Writing, and Music; Health and Physical Education; Manual Training and Home Economics.

In the development of the methodology of the course, emphasis shall be laid upon the correlation and integration of the subjects, and upon the importance of wholesome, vigorous, shared activities, directly connected with the learner's capacities and interests. The teacher's main function shall be represented as the stimulation and guidance of the learner, through the control of the regulating environment of the school; this postulates freedom and responsibility for the teacher and demands positive, definite teaching.

Part II: Observation and Practice-teaching—at least ten full days—to be conducted under conditions defined in Ontario Normal School courses for the Interim First Class Public School certificate.

MODIFICATIONS OF THE COURSE

34. (1) Students who take the Mathematics and/or Science option of the Interim High School Assistant's course, Type B, shall be exempted from Mathematics (except Arithmetic) and/or Science.

(2) Students who hold Provincial professional certificates in Physical Education, Writing, Music, Art, Agriculture, Manual Training, or Home Economics shall be exempted from the examinations thereon but will take the Observation and Practice-teaching therefor.

(3) Candidates who hold Provincial Second Class Public School certificates and who take Latin and a second language as options of the Interim High School Assistant's course, Type B, shall be exempted from the instruction and examinations in all subjects of the Interim First Class Public School course except Mathematics, Science and Agriculture, and Health and Physical Education, while those who hold Provincial Second Class Public School certificates and take Mathematics and Science as options shall be exempted from the instruction and examination in all subjects of the Interim First Class Public School course except Agriculture, and Health and Physical Education.

EXAMINATIONS

35. (1) Subject to the condition that no student may be awarded an Interim First Class Public School certificate who does not already hold, or is not also awarded an Interim High School Assistant's certificate, Type B,

the final standing of the students in attendance in the course for an Interim First Class Public School certificate shall be determined by the records of the Observation and Practice-teaching and by the combined results of the sessional records and the records of the final examinations in such course. Subject to the same condition, the final standing of candidates not in attendance shall be determined by the records of the final written examinations and of Practice-teaching.

(2) The examinations in the subjects of the course for an Interim First Class Public School certificate shall be conducted, *pari passu*, in the terms and under the conditions set out in the Normal School Courses for the Interim First Class Public School certificate.

CERTIFICATES

36. (1) (*a*) Subject to the conditions of Section 35 (1), and to the conditions defined in Ontario Normal School courses for the Interim First Class Public School certificate, a candidate who obtains 50% of the marks in each subject of the course and 60% of the aggregate of the marks in each of Observation and Practice-teaching may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim First Class Public School certificate.

(*b*) Subject to the same conditions, a candidate who passes in Observation and Practice-teaching and fails in not more than three subjects shall be exempted from further attendance and may complete his course for an Interim First Class Public School certificate by rewriting at one annual examination the examinations in the subject or subjects in which he failed.

(2) All candidates other than those referred to in (1) (*b*) above who have failed to obtain the necessary final standing will be required to attend such other sessions as the Minister may prescribe.

(3) Section 16 (1) (*a*), (*b*), (2) and (3) (*b*), which apply to the candidates for the Interim High School Assistant's certificate, Type B, who are exempt from attendance, shall apply also, *pari passu*, to candidates for the Interim First Class Public School certificate who are exempt from attendance.

(4) The Regulations of the Department of Education respecting Permanent First Class Certificates are contained in the Department's Circular No. 72. Holders of Interim First Class Certificates obtained after training at the Ontario College of Education are referred to Regulations III (2).

DETAILS OF SUBJECTS

The details of the subjects of the courses for Interim High School Assistants' certificates, Types A and B, for Elementary Certificates in Physical Education, for Elementary and Intermediate certificates in Art and Crafts, for Elementary certificates in Instrumental Music and Vocal

Music, for Intermediate certificates in Home Economics, and for standing in Elementary Industrial Arts and Crafts, are set out below.

For the course for the First Class Public School certificate these details and subjects shall be supplemented by the details and subjects set out in the Normal School courses for the First Class Public School certificate.

INTRODUCTION TO EDUCATION

37. (i) Instruction regarding types of lessons, preparation of lesson plans, etc., preliminary to Observation and Practice-teaching in schools. Demonstration lessons followed by discussions of the principles involved will be arranged throughout the Autumn term.

(ii) The school and society: purposes and aims of education, relationship of the school to the home and community and to other educational agencies, major problems of secondary education, library practice. Teacher appraisal. Audio-visual aids. Guidance and counselling.

Books of Reference:

Canadian Education Association: Report of the Survey Committee. Trends in Education, 1944.
Canadian Youth Commission: Youth Challenges the Educators.
Livingston: On Education.
Wahlquist: The Philosophy of American Education.

EDUCATIONAL PSYCHOLOGY

38. (i) The psychology of adolescence.
(ii) The psychology of adjustment.
(iii) The mental health of the pupil and teacher.
(iv) The psychology of learning.
(v) Intelligence: individual differences.

Books of Reference:

Burton: The Guidance of Learning Activities.
Cole: The Psychology of Adolescence.
Gates, Jersild, McConnell and Challman: Educational Psychology.
Griffin, Laycock and Line: Mental Hygiene.
Hilgard: Theories of Learning.
Rivlin: Educating for Adjustment.

SCHOOL MANAGEMENT AND LAW

39. School Management, School Organization, School Administration; aims and scope of each; relation of each to the teaching process.

The Ontario school system: Department of Education, and its organization and functions; local administrative units; school boards, their selection, organization and functions; types of schools; school finance and business administration; relation to other public services.

The High School plant: provision, maintenance, care and use; special accommodations; relation to community activities.

The High School curriculum: aim, structure and use; texts; extra-curricular activities.

The High School pupil: attendance, rights, duties, guidance.

The High School teacher: professional status; personal qualifications; training and certification; appointment, tenure, payment, superannuation; duties in relation to trustees, parents and other citizens; duties in relation to supervisors, colleagues and pupils; freedom and responsibility.

High School organization: admission, exclusion, classification, grading, promotion, tests of progress, records and reports, recommendations, staff-meetings, time-tables, supervised study, homework.

Supervision: inspectors, principals, heads of departments; their powers and duties.

Discipline: aim and scope; relation to methods of teaching; incentives; causes of disorder and inattention; methods of dealing with weaknesses and delinquencies.

School Law and Regulations: Public Health Acts and Regulations in so far as they refer to the duties of school boards, teachers and pupils.

Books of Reference:

Regulations and Courses of Study for the Public, High and Continuation Schools of Ontario.
Ontario School Acts and Public Health Act.
Althouse: Structure and Aims of Canadian Education.
Bagley: Classroom Management; School Discipline.
Barr, Burton and Brueckner: Supervision.
Briggs: Secondary Education.
Cameron: The Financing of Education in Ontario.
Cameron and Lewis: The Administration of Education in Ontario.
Carpenter and Rufi: The Teacher and Secondary School Administration.
Cubberley: The Principal and his School.
Douglass and Boardman: Supervision in Secondary Schools.
Espy: The Public Secondary School.
Gower: Plain Words.
Johnston: High School Education.
Koos, *et al.*: Administering the Secondary School.
Maxwell and Kilzer: High School Administration.
Simon: Preface to Teaching.
Uhl: Principles of Secondary Education.
Wrinkle: Secondary Education.

ENGLISH

40. (1) *Literature.*—The place of literature in school courses; the principles followed in Ontario and elsewhere in arranging literature courses

for schools; books suitable for intensive and extensive study in the various forms or grades of the school; class treatment of such types of literature as the short poem, the long narrative poem, the play, the essay, the short story, and the novel; examinations in literature; supplementary reading, its importance, selection of books, testing of reading.

The course in literature includes a consideration of the problems connected with the teaching of silent and expressive reading.

(2) *Composition.*—The aim in teaching composition; principles to be followed in arranging a course; the place of grammar and of rhetoric in the High School course; the use of models; choice and variety in subjects; assigning, valuing and correcting compositions; special problems of oral composition.

Books of Reference:

Ballard: Teaching the Mother Tongue.
Ballard: Thought and Language.
Bradby: About English Poetry.
Bradby: About Shakespeare and His Plays.
Brophy: English Prose.
Diltz: Poetic Pilgrimage.
Diltz: Pierian Spring.
Haddow: On the Teaching of Poetry.
Pocock: Pen and Ink.
Webster and Smith: Teaching English in the Junior High School.

SEMINAR IN ENGLISH

For Type A candidates in English and, in part, English and French English and Latin.

41. A consideration of the following phases of the teaching of English: (*a*) courses of study, (*b*) presentation of difficult topics, (*c*) special methods of teaching.

Books of Reference:

Abercrombie: Poetry—Its Music and Meaning.
Ballard: Teaching The Mother Tongue.
Ballard: Thought and Language.
Diltz: Poetic Pilgrimage.
Diltz: Pierian Spring.
Gurrey: The Appreciation of Poetry.
Hixson and Colodny: Word Ways.
Newbolt: The Teaching of English in England, Ch. 1, 4, 5, 9.
Raleigh: Style.
Society for Pure English: Tracts 4, 6, 10, 11, 12, 15, 16, 18, 24, 36, 39, 46.
Thouless: Straight and Crooked Thinking.
Watts: The Language and Mental Development of Children.
Weekley: Something About Words.

SOCIAL STUDIES: GEOGRAPHY AND HISTORY

42. The values of these subjects in the educational programme; the High School courses of study; examination of various possible procedures in teaching; special problems in geography and in history; special matters (map work, local observations, community histories, current events, citizenship); methods of testing and grading; books and other equipment for teaching.

Books of Reference:

Barnard: Principles and Practice of Geography Teaching.
Bining: Teaching the Social Studies in Secondary Schools.
Bowman: Geography in Relation to the Social Studies.
Fairgrieve: Geography in School.
Klapper: The Teaching of History.
Memorandum on the Teaching of Geography.
Schutte: Teaching the Social Studies on the Secondary School Level.
Stormzand and Lewis: New Methods in the Social Studies.
Taylor, Griffith: Our Evolving Civilization.
Wesley: Teaching the Social Studies.
The School—bound volumes.
The Social Studies—bound volumes and current issues.
Yearbooks—National Council for the Social Studies.

43. SEMINAR IN GEOGRAPHY AND HISTORY

(For Type A Candidates in Geography and in History)

A more intensive study of principles and practices in the teaching of geography and of history and a consideration of topics designed to broaden professional perspective.

MATHEMATICS

44. *General Mathematics.*—The content and methodology of the prescribed courses for Grades IX and X, including commercial arithmetic and mensuration.

Algebra and Geometry.—The content and methodology of the Middle School courses prescribed in the "Courses of Study and Examinations of the High Schools, Collegiate Institutes and Continuation Schools."

Books of Reference:

Breslick: The Teaching of Secondary School Mathematics.
Durrell: The Teaching of Elementary Algebra.
Godfrey and Siddons: The Teaching of Elementary Mathematics.
Lennes: The Teaching of Arithmetic.
Mills: The Teaching of Modern Arithemtic.
Minnick: The Teaching of Mathematics in Secondary Schools.
National Council of Teachers of Mathematics: 5th and 7th Yearbooks.
Roantree and Taylor: An Arithmetic for Teachers.

Schultze: The Teaching of Mathematics in Secondary Schools.
Smith and Reeve: The Teaching of Junior High School Mathematics.
Sumner: The Teaching of Arithmetic and Elementary Mathematics.
Taylor: Arithmetic for Teacher Training Classes.
Young: The Teaching of Mathematics.

SEMINAR IN MATHEMATICS

(For Type A Candidates in Mathematics and, in part, Mathematics and Physics.)

45. The seminar in mathematics will discuss methods in trigonometry and statics and the more advanced parts of Algebra and geometry; the order of presenting the parts of these subjects so as to secure the most logical and impressive relation among the parts; the relations of the subjects themselves; the place of the teacher in dealing with more mature minds; the history and development of such special topics as the algebraic equation, the vulgar and decimal fraction, loci, maxima and minima, the harder theorems on the conic sections; examinations in mathematics, their purpose, when they should be held, the character of the paper, methods of marking, making the classroom attractive with pictures and mathematical equipment, mathematical books to interest pupils and teachers, etc.

Books of Reference:

Bell: Development of Mathematics.
Bell: Men of Mathematics.
Boyer: An Introduction to Mathematics for Teachers.
Butler and Wren: The Teaching of Secondary Mathematics.
Cajori: A History of Mathematics.
Fink: A Brief History of Mathematics.
Lieber: The Education of T.C.Mits.
Merriman: To Discover Mathematics.
Moore & Mira: The Gist of Mathematics.
National Council of Teachers of Mathematics Year-books.
Nunn: The Teaching of Algebra, including Trigonometry.
Whitehead: An Introduction to Mathematics.
Schultze: The Teaching of Mathematics in Secondary Schools.
Young: The Teaching of Mathematics.
Articles in "School Science and Mathematics," and "The Mathematics Teacher."

SCIENCE

46. The following are the main topics of the course:

A. Scope and value of the natural sciences; meaning of science and scientific method; educational value of science; inductive and deductive methods of investigation.

Experimental work; how conducted, how recorded; manipulation of apparatus; making of simple apparatus; classroom discussion, its purpose, method, and relation to the experimental work; the use of text-books; note-books, method of inspection, drawing; reference books, most suitable books in each subject for the library; supplementary reading; methods in general science in Grades IX and X, illustrated in lessons upon subjects difficult of presentation.

B. Laboratory equipment for the teaching of general science, and of physics, chemistry, and biology; methods of demonstration; use of technical terms; theories, facts, scientific laws; text-books and reference books.

Chemistry: Order of treatment; introductory work. Methods of conducting instruction in chemistry will be discussed, and illustrated in lessons upon subjects selected from such topics as the following: chemical laws and theories; valency; formulae and equations; nomenclature; qualitative and quantitative experiments; chemical arithmetic; the elements, with sodium and chlorine as types; chemical equilibrium; ionization in solution; structure of atom.

Physics: Methods of conducting instruction in the more difficult parts of the courses in heat, light, sound, magnetism, electricity, and mechanics will be discussed and illustrated in lessons upon subjects selected from such topics as the following: specific gravity, properties of liquids and gases, machines, friction, temperature, specific heat, laws of reflection, images in mirrors and lenses, laws of vibrating strings with problems, interference of sounds, lines of magnetic force, relation between statical and current electricity, practical applications of electricity, mechanics.

Biology: Dissection; experiments with plants; the microscope; aquaria and terraria; school museums; plant and animal ecology. Methods of conducting instruction in biology will be discussed and illustrated in lessons upon subjects selected from such topics as the following: relation of structure to function, animal and plant types such as the grasshopper, frog, hepatica, fern. This discussion will assume a practical acquaintance on the part of the student with the common plants and animals of Ontario.

The course will stress laboratory practice in each subject.

Books of Reference:

Brownell and Wade: The Teaching of Science and the Science Teacher.

Heis, Obourn and Hoffman: Modern Methods and Materials for Teaching Science.

Hoff: Science Teaching.

Hunter: Science Teaching.

Lloyd and Bigelow: The Teaching of Biology.

Miller and Blaydes: Methods and Materials for Teaching Biological Science.

Newbury: The Teaching of Chemistry.

Phillips and Cox: The Teaching of Biology.

Poulton: The Teaching of Biology.

Smith and Hall: The Teaching of Chemistry and Physics.
Sumner: The Teaching of Science.
Twiss: Principals of Science Teaching.
High School Manual: Suggestions for Teachers of Science.

SEMINAR IN SCIENCE

(For Type A Candidates in Science and, in part, Mathematics and Physics)

47. Manipulation: Practice with apparatus used in High School demonstrations; preparation of illustrative charts; the projection lantern; film projection; care of aquaria and vivaria; growth of plants for experiments in vegetable physiology; collection and preservation of botanical and zoological material for Upper School work.

Equipment: Laboratory accommodation; arrangement of laboratories; lighting and ventilation; arrangement and structure of benches and other furniture; care and purchase of apparatus; chemicals and minerals, most suitable kinds, method of preparation and storage; reference works and periodicals in science for the High School library.

Methods of treating topics in physics, chemistry and biology of Grade XIII.

Books of Reference:

Curtis: A Digest of Investigation in the Teaching of Science.
Hoff: Science Teaching.
Green: Zoological Technique for Teachers and Senior Students.
Mann: The Teaching of Physics.
Miller and Blaydes: Methods and Materials for Teaching Biological Science.
Newbury: The Teaching of Chemistry.
Ontario Department of Education: Laboratory Equipment.
Phillips and Cox: The Teaching of Biology.
Twiss: Principles of Science Teaching.
Westaway: Science Teaching.

SEMINAR IN AGRICULTURE

(For Type A Candidates in Agriculture)[1]

48. The History of agricultural education in the United States and Canada and particularly in Ontario; developments prior to 1904; developments since 1904; the influence of Departmental regulations, the Ontario Agricultural College, Summer Courses and various organizations in the development of agricultural education; the present regulations of the Department of Education and their relation to the teaching of Agriculture in the elementary and secondary schools and normal schools; qualifications

[1]Candidates for the High School Assistant's certificate, Type A, in Agriculture shall take also the Science of the course for the High School Assistant's certificate, Type B.

of teachers; relations of school boards and teachers; provisions for inspection and reports; elective courses, and vocational agricultural courses in secondary schools.

Equipment and methods; special equipment needed for agricultural topics; arrangement of laboratory and classroom; storage and care of apparatus; preparation of illustrative material and charts; the projection lantern; the moving picture machine; agricultural periodicals, reference books and other sources of information; the school garden, planning and care; beautification of school grounds; home projects and collections; planning of courses; types of lessons; use of illustrative material; correlation of the science subjects in courses in agriculture.

Books of Reference:

Andrews: Agriculture for High Schools.
Eccles, Coombs, Macey: Milk and Milk Products.
DeLaMare: Garden Guide.
Heald: Manual of Plant Diseases.
Hughes and Henson: Crop Production.
Lippincott and Card: Poultry Production.
MacEwan: The Breeds of Farm Live Stock.
Madill: History of Agricultural Education in Ontario.
Phillips: Beekeeping.
Russell and Hastings: Agricultural Bacteriology.
Stevens: Garden Flowers in Color.
Bulletins and Regulations of the Dominion and Ontario Departments of Agriculture.
Reports and Regulations of the Ontario Department of Education.

CLASSICS (LATIN AND GREEK)

49. The relation of method in teaching Latin or Greek to linguistic method in general; the effect of the object of teaching Latin or Greek upon the method in various departments, such as oral reading, grammar, translation, sight reading, and the literary or historical content; illustration of methods in typical lessons.

Pronunciation; oral reading, sight reading, and English translation as prescribed for the Lower and Middle Schools; general principles of word-structure and sentence-structure; word order; methods of teaching the parts of a lesson; topics of inflection and syntax as found in the Latin and Greek Books; special emphasis on difficult topics.

The course will stress oral practice in Latin.

Books of Reference:

Hamilton and Carlisle: Latin for Secondary Schools.
Gray: Latin for Today.
Arnold: On Translating Homer.
Bennett and Bristol: Teaching of Latin and Greek.
Game: The Teaching of High School Latin.

Goodwin and Gulick: Greek Grammar.
Lane: Latin Grammar.
Valentine: Latin, its Place in Education.
Westaway: Quantity and Accent in the Pronunciation of Latin.
White: The Teaching of Latin.
The American Classical Investigation: Report, Parts 1 and 2.

SEMINAR IN CLASSICS

(For Type A Candidates in Classics, Latin and Greek, and, in part, Latin and French, and English and Latin)

50. In the seminar in Classics, the topics treated will be those which are germane to the teaching of the Latin and Greek authors and prose prescribed for study in the Upper School during the current year. These will include:

A study of adequate translation of the works of Latin and Greek authors.

Appreciation of the art of Horace, Virgil, Catullus, and Homer.

The Philosophy of Horace.

The legacy of Greece and Rome.

The teaching of the following metres: Hexameter, Elegiac, Sapphic, Alcaic.

The different types of poetry represented in the prescribed authors and the debt of English writers to classical originals.

The teaching of Latin continuous prose composition.

The morphology and syntax of Attic Greek together with a general treatment of the principles of Greek accent.

FRENCH, GERMAN, SPANISH OR ITALIAN

51. Pronunciation: Study of sounds and their spelling; phonetic symbols; devices for teaching; intonation exercises; dictation; singing.

Course of Studies in Grades IX and X: Introductory lessons, including conversational work for beginners; reading for comprehension; vocabulary building; conversation based on reading; paraphrasing; dictation; functional grammar, stressing the verb and pronoun.

Course of Studies in Grades XI and XII: Methods of conducting reading; increased emphasis placed on writing; grammar; translation from English into the foreign language; supplementary reading; testing.

Illustration of methods in typical lessons.

The course will stress oral practice in the foreign language.

Books of Reference:

de Sauzé: The Cleveland Plan for the Teaching of Modern Languages.
Jack: French Pronunciation and Diction.
Jespersen: How to Teach a Foreign Language.
Vietor: German Pronunciation.

SEMINAR IN MODERN LANGUAGES

(For Type A Candidates in French and German *or* Spanish *or* Italian, and, in part, Latin and French, English and French)

52. In the seminar in Modern Languages, stress will be laid upon methods of presenting the work to be studied in Grade XIII during the current year.

Topics treated will include: Teaching of advanced grammar and prose composition; correction of written work; conducting of reading lessons; sight reading; supplementary reading; free composition; conversation; making of examinations; use of dictionaries and books of reference.

Books of Reference:

Der Sprach-Brockhaus.
Duden: Stilwörterbuch.
Larousse: Nouveau Petit Larousse Illustré.
Larousse: Pequeño Larousse Ilustrado.
Schulz und Sundermeyer: Deutsche Sprachlehre für Ausländer.

SEMINAR IN HOME ECONOMICS

(For Type A Candidates)

53. Introductory: The development of Home Economics, including a brief study of present day tendencies; its value and aims.

Methods: A study of courses for public, high and vocational schools; a discussion of various types of organization; methods of teaching; illustration of methods in typical lessons; a study of the methods of class-room procedure and problems arising therefrom; allotment of time for different phases of the subject; textbooks; note books; preparation, use and care of illustrative material; examinations.

Class Organization: Departmental regulations; size of class; records.

Equipment: Types of equipment; cost, arrangement and inventory of equipment.

Books of Reference:

Regulations and Courses of Study for the Public and High Schools of Ontario.
Texts as recommended in the Courses of Study in Home Economics for High and Continuation Schools, Collegiate Institutes and Vocational Schools.
Brown: Evaluation and Investigation in Home Economics.
Brown and Haley: The Teaching of Home Economics.
Hatcher and Andrews: The Teaching of Homemaking.
Herrington: Home-making.
Pollard: Adult Education for Homemaking.
Robinson and Scheick: Principles of Planning the Homemaking Department.

Spafford: Fundamentals in Teaching Home Economics.
William and Lyle: Homemaking Education in the High Schools.

PHYSICAL EDUCATION

54. This course is outlined in the Courses of Study for Grades IX-XIII issued by the Ontario Department of Education.

COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Theory, Methods and Materials (for men and women).
Practice (for men):

(*a*) Basic Drill.
(*b*) Gymnastics.
(*c*) Apparatus.
(*d*) Games.
(*e*) Swimming.

Practice (for women):

(*a*) Gymnastics.
(*b*) Games.
(*c*) Rhythmics.

SEMINAR IN PHYSICAL EDUCATION

(For High School Assistants', Type A Candidates)

1. Organization and administration, including the following:
   (*a*) aims, objectives and policies,
   (*b*) selection and grading of teaching material,
   (*c*) marking and testing,
   (*d*) planning the curricular and extracurricular programmes.
2. Methods and survey of material (Women):
   (*a*) Physical Education—gymnastics, games, rhythmics, swimming,
   (*b*) Health Education—anatomy, physiology, safety education, first aid, home nursing, community health, healthful living, child study.
3. Methods and survey of material (Men):
   (*a*) Physical Education—basic drill, gymnastics, apparatus, games, swimming,
   (*b*) Health Education—anatomy and physiology, first aid, safety education, healthful living.

Books of Reference:

Texts as recommended in the Courses of Study in Physical and Health Education and Cadet Training of the Ontario Department of Education.

Physical Education:

Björksten: Gymnastics for Women and Girls.
Bowen and McKenzie: Applied Anatomy and Kinesiology.
Bukh: Primary Gymnastics Fifth Edition, 1939.
Bundy: Anatomy and Physiology.
Bryans and Charlesworth: Skill in Games.
Cassidy: New Directions for the Adolescent Girl.
Conrad and Meister: Teaching Procedures in Health Education.
Edwards: Anatomy for Physical Education.
Evans and Fry: Safety.
Kahn: Man in Structure and Function.
Kozman, Cassidy, Jackson: Methods in Physical Education.
LaPorte and Renner: The Tumbler's Manual.
Lee: The Conduct of Physical Education.
McKenzie: Exercise in Education and Medicine.
Macherey and Richards: Pyramids Illustrated.
Mitchell: Intramural Athletics.
Mulliner and McKenzie: Elementary Anatomy and Physiology.
Nash: Teachable Moments in Health Education.
National Recreational Association: New Play Areas—Their Design and Equipment.
National Recreational Association: Introduction to Community Recreation.
Official Sports Library for Women.
Phair and Speirs: Good Health.
Radir: Modern Dance.
Robertson: Fundamentals of Health.
Sharman: Introduction to Physical Education.
Sharman: Teaching of Physical Education.
Staley: Games, Contests and Relays.
West: The Gymnast's Manual.
Articles in "The Athletic Journal," "The Journal of Health and Physical Education," and "Journal of Physical Education and School Hygiene."

ART AND CRAFTS

55. COURSE FOR THE ELEMENTARY CERTIFICATE

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering, Theory and History of Art and Crafts, Methods of Teaching Art and Crafts.

COURSE FOR THE INTERMEDIATE CERTIFICATE

Drawing and Painting, Modelling and Model-making, Industrial and Decorative Design, Theory and History of Art and Crafts, Classroom Methods and Problems.

Books of Reference:

Ackley: Marionettes.
Arthur: Early Buildings of Ontario.
Cheney: A World History of Art.
Cheney: Expressionism in Art.
Doten and Boulard: Fashion Drawing.
Dougherty: Pottery Made Easy.
Dow: Composition.
Eccott: Teaching Creative Art in Schools.
Faulkner, Ziegfeld and Hill: Art To-day.
Fletcher: A History of Architecture.
Gardner: Art through the Ages.
Gibbs: The Teaching of Art.
Glazier: A Manual of Historic Ornament.
Hartley and Elliot: Life and Work of the People of England—Vols. I-VI.
Johnstone: Child Art to Man Art.
Lemos: Creative Arts and Crafts.
McLeish: Beginnings; Teaching Art to Children.
Maas: Common Sense in Home Decoration.
Munsell: Colour Notation.
Progressive Educational Association: Creative Expression.
Quennel: History of Everyday Things in England—Vols. I-II.
Read: Art and Industry.
Read: Education Through Art.
Robb and Garrison: Art of the Western World.
Tomlinson: Picture Making by Children.
Viola: Child Art.
Articles in "Art and Craft Education"; "Decoration"; "School Arts Magazine"; "Design."

SEMINAR IN ART AND CRAFTS

(For High School Assistants', Type A Candidates)

The seminar in Art and Crafts will discuss classroom methods and problems relating to the advanced grades. Special emphasis will be given to (*a*) the securing, organizing and use of illustrative source material, such as slides, prints and exhibitions which can be used to interpret and intensify the study of art history and art criticism; (*b*) a more advanced study of the theory, history and practice of art and crafts.

Books of Reference:

Gardner: Art Through the Ages.
Faulkner, Ziegfeld and Hill: Art To-day.
Giedion: Space, Time and Architecture.
Stites: The Arts and Man.
Teague: Design This Way.

VOCAL MUSIC

56. COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory prescribed for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Books of Reference:

Bell: The Chorister, Book I, and Book II.

Voice Training and Song Material:

The adolescent voice; choral singing; practice in tone production, intonation, diction, and breath control; blending of voices in part singing; interpretation; analysis of song material for Grades IX and X.

Books of Reference:

Foresman, Dann and Fenwick: The Highroad of Song, Book III.
Gildersleeve, Smith and Bell: Living Songs.
Hill: The Singing Period, Book VII.
Staton: Sweet Singing in the Choir.
The Silver Book of Songs.
Wilson, Christy and Bell: The Modern Choral Hour.
Wright: Youthful Voices, Book I and Book II.

Conducting:

The conducting patterns of common metres; special problems: attack and release, incomplete bars, expression, use of the left hand.

Books of Reference:

Stoessel: The Technique of the Baton.

Rudiments of Music:

Notation (notes, rests, clefs); intervals and their inversion; metre and rhythm; scales (diatonic and chromatic); transposition; musical terms, abbreviations and ornaments.

NOTE: Students are advised to study in advance one of the following texts:

Ahrens: Rudiments of Music.
Bell: The Chorister, Books I and II.
Dunstan: The A B C of Musical Theory.
Horwood: The Basis of Music.

Music Appreciation:

Teaching of the topics prescribed for Grades IX and X; the human voice, musical instruments, elementary form, nationalism, music aesthetics; study of selected compositions through recordings; organization of a course in music appreciation; choice and care of equipment.

NOTE: Students are advised to study in advance one or more of the following texts:

Bacharach: The Musical Companion.
Faulkner: What We Hear in Music.
Scholes: The Oxford Companion to Music.
Skolsky: Evenings with Music.

Methods:

General principles of music education; analysis of the course for Grades IX and X; voice testing; teaching of rote songs, reading songs, part songs and theory; use of the piano; integration of music with other subjects; the relation of the school orchestra to the vocal programme; elementary scoring and transposition for instruments.

Books of Reference:

Maddy and Giddings: Instrumental Technique for Orchestra and Band.
Newton and Young: The Book of the School Orchestra.

INSTRUMENTAL MUSIC

COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory prescribed for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Books of Reference:

Bell: The Chorister, Book I and Book II.

Technical Training:

Fundamentals of tone production and basic fingering in all families of instruments; playing scales, diatonic and chromatic; simple melodies; reading orchestral scores of elementary range; construction and care of all types of instruments.

Conducting:

The conducting patterns of common metres; special problems of conducting in instrumental groups.

Methods:

General principles of organization and instruction of instrumental classes; special methods of class teaching for strings, band classes, or combined groups.

Books of Reference:

Boosey and Hawkes: Instrumental Course.
Boosey and Hawkes: Band Method.
Belwin: Elementary Band Method.
Fischer: Strings from the Start.

NOTE: This is a practical course, with the emphasis laid on two essential points, (i) individual mastery of instruments;
(ii) methods of class teaching.

SEMINAR IN VOCAL MUSIC

(For High School Assistants' Type A Candidates)

Sight Singing and Ear Training:

Sight reading of songs based on the theory prescribed for grade XIII; extraneous modulation; singing of major scales from any note in the scale to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords listed below for harmony; detection of errors in the performance of more advanced part songs.

Books of Reference:

Bell: The Chorister, Book II.

Voice Training and Song Material:

Advanced study of topics listed in the Elementary Type A Course through choral works; unaccompanied singing; modern theories of voice training; the teaching of special classes in voice training; selection of song, choral and operatic material for grade XIII classes, public performances and festivals.

Books of Reference:

Coward: Choral Music and Interpretation.
Pitts: Voice Class Method.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Operetta:

The detailed study and preparation of an operetta for public performance.

Music Appreciation:

Teaching of the topics prescribed for grade XIII; advanced form, music biography and history, the analysis of selected compositions with special attention to the prescribed works for grade XIII; use of miniature scores; supplemental reading; evaluation of recordings for school use; use of radio in music appreciation.

Books of Reference:

Bacharach: Lives of the Great Composers.
Burrows and Redmond: Symphony Themes.

Scholes: The Oxford Companion to Music.
The Victor Book of the Symphony.

Methods:

Modern theories of music education; musical talent and its measurement; the specially gifted pupil; the relation of Secondary School music to music in the Elementary School and to the work of the private teacher; administration; music festivals and adjudication; practice in individual tutorial work; the piano accompaniment of school singing; analysis of the prescribed course for Grade XIII.

Books of Reference:

Dykema and Gherkins: Music Education for High Schools.
Fenwick: High Road Music Series—Teacher's Manual.
Mursell and Glenn: The Psychology of School Music Teaching.

SEMINAR IN INSTRUMENTAL MUSIC

(For High School Assistants', Type A Candidates)

Sight Singing and Ear Training:

Sight reading of songs based on the theory prescribed for Grade XIII; extraneous modulation; singing of major scales from any note in the scale to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords for harmony; detection of errors in the performance of more advanced part songs.

Books of Reference:

Bell: The Chorister, Book II.

The Orchestra and Band:

Orchestral playing, organization and conducting; selection of music for Grades IX to XIII class study, for orchestras and bands of High School calibre, and for public performance and festivals.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Arranging:

Transcription and arranging of selections from piano score for full orchestra or band; transposition for all instruments.

Methods:

Advanced study of topics listed in the Elementary Type A course.

Class instruction of instrumental classes, beginners and advanced classes, with all types of instruments.

57. COURSE FOR THE ELEMENTARY COMMERCIAL CERTIFICATE

(1) Shorthand Theory:

The principles of the Isaac Pitman system; writing continuous matter in approved shorthand forms; transcribing sight passages in continuous shorthand.

(2) Shorthand Practice and Transcription:

Writing from dictation for ten minutes, in approved Pitman Shorthand, easy material at the rate of sixty words per minute; transcribing of these notes on a typewriter with blanked keyboard; ten minutes to be allowed for revision of notes, and forty minutes for transcription.

(3) Typewriting:

(*a*) Typing for ten minutes on a typewriter with blanked keyboard at a net rate of thirty words per minute. (The basis for estimating the number of words shall be five strokes per word.)

(*b*) Application of typewriting to simple problems in setting up business letters, headings, programmes, invitations, announcements, display work, tabular work.

(4) Bookkeeping:

Proprietorship; study of property and claims against this property as assets, liabilities; proprietorship as expressed in the fundamental equation —Assets minus Liabilities equals Proprietorship.

(5) Penmanship:

Posture, penholding, position of the paper, movement, development of speed, classification of small and capital letters according to similarity of basic principles. Graceful, legible business writing; ledger headings; figures; accounts; marking alphabet; writing on the blackboard.

(6) Methods—Minor:

(*a*) Methods of teaching Business Practice and Bookkeeping: instructional material; testing programme; presenting special topics; text-books; outlining courses; grading papers.

(*b*) Methods of teaching junior Shorthand and Typewriting.

(i) First year in Shorthand: organization of classes and materials; content of course; analysis of text-book; division of time for various sections of the work; various methods of approach; shorthand penmanship; reading of shorthand; how and when to test; the place of theory in junior classes; how and when to introduce transcription.

(ii) First two years in Typewriting: typing room, equipment and supplies; class organization; teacher's preparation; application of general principles to the teaching of typing technique; analysis and prevention of errors; speed development; tests and how to mark them; the second year course; written reports on actual lessons.

Books of Reference:

As recommended in the Courses of Study for Grades IX-XII in Collegiate Institutes, High, Vocational and Continuation Schools.

Blackstone and Smith: Improvement of Instruction in Typing.
Clem: Technique of Teaching Typewriting.
Davis: A Study of Shorthand Teaching.
Dvorak: Typewriting Behaviour.
Gregg: Psychology Applied to Skill Building.
Haynes: Tests and Measurements in Business Education.
Lamb: Your First Year of Teaching Typewriting.
Leslie: Teaching of Gregg Shorthand by the Functional Method.
Lessenberry: College Typewriting.
Lomax: Problems of Teaching Shorthand.
Lomax and Agnew: Problems of Teaching Bookkeeping.
Lomax and Reynolds: Problems of Teaching Typewriting.
Newman: Pitmans Teacher's Manual.
Odell and Stuart: Principles and Techniques for Directing the Learning of Typewriting (2nd Edition).
Osborne: Correlated Dictation.
Risk: Principles and Practices of Teaching.
Selby: Teaching of Bookkeeping.
Smith: Gregg Typing—Teacher's Handbook.
Taylor: Commentary on Pitman Shorthand.
Articles in various year-books.

58. COURSE FOR THE ELEMENTARY INDUSTRIAL ARTS AND CRAFTS CERTIFICATE, TYPE A

Draughting: Orthographic projection problems; isometric drawing of rectangular, circular and cylindrical figures; sketching oblique views; geometric drawing; tracing and blue printing.

Woodworking: Nature, structure and characteristics of common woods; the selection and suitability of woods for various purposes; seasoning, defects and grading lumber; cutting out operations, planing, squaring, chiselling and paring; uses of various fastening materials; construction of common joints; various methods of wood finishing and care of brushes; use and care of band saw, variety saw, jig saw and jointer; the wood turning lathe, with elementary turning of single spindle and face plate work; sharpening and care of woodworking tools.

Sheet Metal Work: Laying out patterns, cutting, bending, soldering and rivetting of tin plate and galvanized iron; etching, hammering, planishing and polishing of brass and copper.

Machine Shop Practice: Hand tools and bench work; layout work and elementary machine operations.

Methods of instruction and class organization of the General Shop.

Books of Reference:

As recommended in the Courses of Study for High or Continuation Schools, Collegiate Institutes and Vocational Schools (Grade IX).

Ashcroft and Easton: General Shop Work.
Clancey: Sheet Metal Work.
Evans, Parks and Slatterie: Hand Woodworking.
Wilber: Industrial Arts in General Education.
Wishart: Woodwork Practice and Theory.
The Home Workshop. (Odhams Press Ltd.)
Working with Plexiglas. (Rohm and Haas Co.).

59. COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

An analysis of the Course of Study, Grades IX and X, Home Economics of the General and Commercial Courses.

Fundamental principles, practices, and standards in home and family living.

Problems of organization; methods of teaching; aids to learning; home and classroom equipment. Departmental regulations. Guidance in classroom teaching.

Books of Reference:

Reference Books for the Course in Home Economics, Grades IX and X.
Brown and Haley: The Teaching of Home Economics.
Hatcher and Andrews: The Teaching of Homemaking.
Herrington: Homemaking.
Spafford: Fundamentals in Teaching Home Economics.
Williamson and Lyle: Homemaking Education in the High Schools.

60. DICTION AND VOICE PRODUCTION

General lectures on diction and voice production.
Corrective work and exercises.

Books of Reference:

Aikin: The Voice.
Anderson: Training the Speaking Voice.
Bennett: Practical Speech-Training.
De Banke: Art of Choral Speaking.
Fillebrown: Resonance in Singing and Speaking.
Gullen: Choral Speaking.
Gullen: Speech Training in the School.
Henderson: The Art of Effective Speech.
Henderson: Good Speaking.
James: Our Spoken Language.

Parrish: The Teacher's Speech.
Storey: The Way to Good Speech.
Von Hesse: So to Speak.
Ward: Defects of Speech.

ONE-YEAR COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

CONDITIONS OF ADMISSION

61. (1) A candidate for admission to the course for the Interim Intermediate certificate in Home Economics should make application, not later than August 31st, on a form to be obtained from the Secretary of the Ontario College of Education and should submit with this application:

(*a*) A certificate from a competent authority that she is a British subject.

(*b*) A certificate from a clergyman or other competent authority that she is of good moral character.

(*c*) A certificate of successful vaccination. Every candidate for admission must submit a certificate of successful vaccination with her application.

(*d*) A statement signed by herself to the effect that she intends, when opportunity offers, to teach the subject of Home Economics.

(*e*) One of the following:

A Permanent Second Class certificate obtained under the regulations in force subsequent to September, 1927; an Interim or Permanent First Class certificate; a High School Assistant's certificate; an Ordinary Vocational or a Specialist Vocational certificate.

(2) Candidates who fulfil the foregoing conditions of admission and who hold Elementary Certificates in Home Economics, Type A, B, or C will be exempted from attendance during the Autumn term.[1]

COURSE OF STUDY

62. The Course of Study for the Intermediate certificate in Home Economics includes the following, with specific reference to the course in Home Economics prescribed for Grades VII, VIII, IX, and X:

PART I

FOODS

Economics.—Marketing; points to be considered in selection; factors determining cost; saving of materials, fuel, and labour in preparation; care in the home; utilization of left-overs.

[1]Application for admission to the College at the beginning of the second term in January should be made not later than December 1st. Enrolment in January may be limited according to the available accommodation.

Nutrition.—Composition and nutritive value of foods; requirements to maintain the body in health; digestion of foods, factors influencing the diet, menu planning; diets for infants, children and adults.

Preparation.—Scientific principles underlying methods of preparation; application of these principles in food and meal preparation and service (family meals, meals for children, and meals for the aged and sick in the home).

CLOTHING

Selection.—Source and properties of the principal textile fibres; study of textile fabrics; principles of design; aesthetic and economic factors determining selection for the individual.

Construction.—Cotton, linen or woollen garments: choice and preparation of material, commercial patterns, use and care of the sewing machine, construction processes.

Care.—Daily, weekly, and seasonal; repairing; removal of stains, laundering.

HOME MANAGEMENT

The Home.—Standards of living in relation to home life; relation of the home to the community.

The House.—Planning, furnishing; renovation; care; problems and procedures in the management of the modern home; household budgets; use and care of household equipment, appliances and fabrics.

Sanitation.—Effect of environment on health; sanitary control of surroundings; disposal of waste.

Home Nursing and Child Care.—Care of the infant, child and adult; emergencies; bandaging.

METHODS

Objectives in teaching Home Economics; types of equipment; study of authorized courses; problems of organization; methods of teaching; demonstration of lessons; teaching aids.

PART II

Observation and Practice-teaching will be provided in selected Public and High Schools and will include a minimum of six practice lessons per student with an equal number of periods for observation lessons.

EXAMINATIONS

63. (1) Candidates for the Intermediate certificate shall pass in each of Parts I and II under the following conditions:

(*a*) Part I.

The following shall be the subjects in Part I with the maximum value of 100 for each subject:

Foods
Clothing
Home Management
Methods

The standing of candidates in the subjects of Part I will be determined by the sessional records and the final written examinations.

The sessional records, to which shall be allotted one-half the maximum value assigned above to each subject, shall consist of the daily credits and of the results of oral, written, and practical tests.

The final written examinations, to which shall be allotted the remaining half of the maximum value assigned above to each subject, shall include the following papers:

Foods
Clothing
Home Management
Methods

The pass standard in Part I shall be 60% of the marks assigned to each subject.

(*b*) Part II.

The standing of candidates in Part II shall be determined wholly by the sessional records. For this purpose the maximum value assigned to practice lessons shall be 300, and to observation lessons, 100.

The pass standard in Part II shall be 60% of the aggregate of the marks for the practice lessons and for the observation lessons respectively.

(2) (*a*) Candidates who pass in Part II and fail in not more than one subject of Part I will be exempted from further attendance.

(*b*) All other candidates who fail to obtain the necessary final standing will be required to attend another session, beginning after the Christmas vacation.

(3) (*a*) Candidates who are exempt from attendance under (2) (*a*) above may complete their standing for a certificate by taking at an annual examination, the examination, written or practical, in the subject in which they failed.

(*b*) The pass standard for candidates not in attendance will be the same as that for candidates in attendance, but no allowance will be made for sessional work in the case of those not in attendance.

CERTIFICATES

64. A candidate who takes the subjects and passes the examinations therein prescribed above shall be entitled to an Interim Intermediate Home Economics certificate which shall be valid in these subjects in any

Public, Separate, High or Continuation School and in Grades IX and X of a Collegiate Institute, provided that the teacher is otherwise qualified to teach in such schools.

This Interim certificate shall be valid for two years. The conditions under which the Interim Home Economics certificate may be made Permanent are contained in the regulations of the Department of Education.

65. COURSES FOR CERTIFICATES IN VOCATIONAL EDUCATION AND INDUSTRIAL ARTS AND CRAFTS

The Ontario Training College for Technical Teachers, which was established in Hamilton in 1925, has been re-organized as a department of the Ontario College of Education, Toronto, as of September 1, 1946.

I. Courses for the Ordinary Vocational certificate.

II. Courses for Industrial Arts and Crafts certificates:

1. The Intermediate certificate.
2. The Specialist certificate.

GENERAL CONDITIONS OF ADMISSION

(1) An applicant for admission to the courses referred to above shall make application, not later than August 31st, to the Director of Vocational Teacher-Training, 371 Bloor St. West, Toronto 5, on a form to be obtained from him, and shall submit with this application, on forms also to be supplied by the Director:

(a) A certificate from the Deputy Registrar-General of Births, Parliament Buildings, Toronto, or an affidavit by one of the parents or other relative, or other person cognizant of the applicant's date of birth.

Age limits:

For the Ordinary Vocational course, male applicants shall be not less than twenty-three and not more than thirty-five years of age, female applicants shall be not less than twenty-three and not more than thirty-two years of age.

For the Intermediate Industrial Arts and Crafts course, applicants shall be at least twenty years of age.

For the Specialist Industrial Arts and Crafts course, applicants shall be not less than twenty-three and not more than thirty-five years of age.

(b) A certificate from a competent authority that he is a British subject.

(c) A certificate from a clergyman or other competent authority that he is of good moral character.

(d) A certificate of successful vaccination.

(2) Before the final admission, and provided that the applicant is not already the holder of a Teacher's certificate, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 19th, and shall hold themselves in readiness to appear for subsequent further examination as required. Students are required to be in continuous attendance at the College during the period of the medical examination, September 19th to 23rd.

(3) In the event of rejection of an applicant in consequence of the medical examination and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

66. I. COURSE FOR THE ORDINARY VOCATIONAL CERTIFICATE

ADDITIONAL REQUIREMENTS FOR ADMISSION

(1) Education.

Applicants are required to give evidence of secondary school graduation or the equivalent. Otherwise, candidates may be required to write examinations in English, Mathematics and Science, these examinations to be held at the College on the first day of the session.

(2) Trade Training and Experience.

(a) The training or apprenticeship required shall be that usually demanded for journeyman's qualifications in the trade concerned. Special training obtained in an approved day vocational school will be taken into account in considering the period of training. Applicants should submit statements from the persons or firms under whom they were trained, showing the length of the training period and the nature of the work.

(b) The experience required shall be several years of wage-earning journeyman trade experience with approved high-grade firms, and shall be such as to show that the applicant is a skilled craftsman, competent in the main branches of the trade, and familiar with its recent developments. The length of the journeyman experience depends upon the nature of the trade. Documentary evidence of experience in the trade in approved shops shall be furnished by the applicant.

(c) The applicant shall be required to pass an examination designed to test his attainments as a skilled worker in the trade concerned. The examination shall be on the fundamental principles, operations, processes,

and skills of the trade, and shall be in two parts (1) written, (2) practical. In the practical examination he shall be required to show his skill in a performance test. This examination will be given by the Ontario College of Education during the first week of the session at places to be arranged.

67. PROGRAMME OF STUDIES

The course of training for the Interim Ordinary Vocational certificate consists of two parts:

Part I: Educational Psychology
School Law and Regulations
English
History of Vocational Education
Principles of Teaching and Classroom Management
Technical Subjects: 1. trade analysis,
2. shop plan,
3. equipment list,
4. yearly budget,
5. course of study.

Part II: Observation and Practice-teaching.

68. ORGANIZATION OF COURSE

(1) Each candidate must prove by taking a Trade Test during the first week of the Session that he is a skilled craftsman in the practical subject he desires to teach.

(2) In general, the course is built upon the experiences of the student-teachers in the practice schools. Observation is stressed during the early part of the session. Individual and group instruction will be increased until, in the final two weeks, the student-teacher will take charge of the class with no assistance from the teacher.

(3) During alternate weeks in the College, in addition to the programme of studies, the student-teacher is given an assignment to cover his duties in the practice school for the following week. A corresponding bulletin is mailed to the teacher, who reports on the progress of the student at the completion of each week of Practice-teaching.

(4) Where possible, student-teachers are sent at first to vocational departments in the smaller composite schools and later to technical schools in the larger centres. The Director and his staff visit the practice schools from time to time to assist in evaluating the students' work.

69. DETAILS OF SUBJECTS

The details of the subjects of the course for the Ordinary Vocational certificate are set out below.

EDUCATIONAL PSYCHOLOGY

(a) Psychology
  (i) intelligence, tests and measurements;
  (ii) learning, nature and laws; memory, fatigue, transfer, etc.
  (iii) mental hygiene of the pupil and the teacher,
  (iv) psychology of adolescence; school discipline.
(b) Guidance and Counselling.

SCHOOL LAW AND REGULATIONS

The Vocational Education Act, Regulations for Vocational Schools, the Apprenticeship Act, the Trade Schools Regulation Act; other legislation and regulations of direct concern to vocational schools.

ENGLISH

English—both oral and written—a brief review of the main essentials of grammar and composition to enable the shop teacher to avoid the more common errors in the use of words.

HISTORY OF VOCATIONAL EDUCATION

Brief historical sketch to show vocational aspects of educational developments; contributions of the educational reformers, Comenius, Locke, Rousseau, Pestalozzi, Fellenberg, Herbart, Froebel, Spencer; relation of industrial developments to the need for industrial education; development of secondary education, of vocational education; the manual training movement, the mechanics' institute, the farm and trade school, industrial and technical schools, trade schools; part-time, co-operative and apprenticeship classes; the Ontario educational system.

PRINCIPLES OF TEACHING AND CLASSROOM MANAGEMENT

Learning process as applied to practical subjects; formal lesson types; individual differences; individual and group instruction; lesson planning; instruction aid material—sheets, pictures, charts, films, models; organization of instruction material; tests and examinations; records; special shop problems.

TECHNICAL SUBJECTS

(a) Trade Analysis and Course of Study:

Study of the work of the skilled craftsman to determine the teachable content of each trade or calling. Analysis of the trade to determine the skill, and the trade, technical and concomitant knowledges of the skilled

worker; selection of instructional materials and arrangement into groups according to learning difficulties; selection of projects to be used to fit the order of the course of study; determination of related mathematics, science, drawing and auxiliary information needed in each project, preparation of course of study; unit courses.

(b) Shops Plans, Equipment and Budget:

Study of desirable features of shops and classrooms, size, shape, lighting, lay-out; preparation of minimum, and desirable, lists of equipment for the type of shop in which the teacher-in-training will work; design of benches, tables, furniture, selection of tools and machines; approximate prices; preparation of annual budget.

70. II. COURSES FOR INDUSTRIAL ARTS AND CRAFTS CERTIFICATES[1]

1. COURSE FOR THE INTERMEDIATE CERTIFICATE

This is a two-year course to provide training for those who contemplate the teaching of Industrial Arts and Crafts in Public, Separate, Continuation and High Schools. Applicants admitted under condition B below shall be exempted from attendance during one year of the course.

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit:

A. Evidence of graduation from an approved regular four-year industrial course in a vocational school, which includes machine shop practice, woodworking, drafting, electricity, and auto mechanics; and evidence of at least one year of approved industrial wage-earning experience;

OR

B. Evidence of a Second Class or more advanced Ontario teaching certificate, and *either* an Elementary Manual Training certificate *or* a statement indicating successful completion of the work of Part I of the Elementary Industrial Arts and Crafts, Type B, course or the work of Part I of the Elementary Industrial Arts and Crafts, Type A, course. Applicants who hold the Elementary Industrial Arts and Crafts certificate, Type A shall be exempted from attendance during the autumn term but shall make application for admission not later than December 1.

71. PROGRAMME OF STUDIES

The course of training for the Intermediate certificate in Industrial Arts and Crafts consists of two parts as follows:

[1]The Dean reserves the right to limit the total enrolment of Intermediate and Specialist candidates to twenty-five.

Part I: Activity Analysis and Course of Study
Shop Work
History of Industrial Arts and Crafts Education
Guidance

Part II: Observation and Practice-teaching.

Each student is given at least three weeks in a practice school. His teaching progresses from individual and group instruction to complete charge of routine duties and class instruction. If possible, he is sent to the general shop (a) in a public school, (b) in a continuation or high school, and (c) in a collegiate institute.

Note: For the Programme of Studies for those who must attend two years, see the Programme of Studies of the course for the Ordinary Vocational Certificate in Section 67.

72. DETAILS OF SUBJECTS

ACTIVITY ANALYSIS AND COURSE OF STUDY

See Technical Subjects in Section 67.

SHOP WORK

The present set-up consists of (a) Metal work, (b) Woodwork and Crafts. Each shop is organized on the general shop plan. At least four activities are being conducted in each shop. Metal work includes such activities as forge and vise work, sheet metal, welding, machine shop, farm machinery repair and overhaul. Woodwork and Crafts include drafting, woodwork (both hand and machine processes), building construction, practical electricity, furniture finishing, leather work, art metal work, and plastics.

HISTORY OF INDUSTRIAL ARTS AND CRAFTS

See History of Vocational Education in Section 67.

GUIDANCE

A course of lectures in educational and vocational guidance.

73. 2. COURSE FOR THE SPECIALIST CERTIFICATE[1]

This course is to provide training for those who contemplate teaching Industrial Arts and Crafts in collegiate institutes.

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit a Permanent[2] Intermediate Industrial Arts and Crafts certificate.

[1]This certificate may be obtained also in summer courses conducted by the Department of Education.

[2]Service personnel may be admitted on an Interim Intermediate Arts and Crafts certificate.

74. PROGRAMME OF STUDIES

The course of training for the Specialist certificate in Industrial Arts and Crafts consists of two parts as follows:

Part I. Activity Analysis, Course of Study and Shop Management Advanced Shop Work

Part II. Observation and Practice-teaching.

75. EXAMINATIONS AND CERTIFICATES

(1) The final standing of students in attendance in the course for the Ordinary Vocational Certificate or the courses for the Intermediate and Specialist Certificates in Industrial Arts and Crafts shall be determined by the combined results of the sessional records and the records of the final examinations of Part I and by the results of the records of the Observation and Practice-teaching of Part II, of the course concerned.

(2) The sessional records in each course represent oral and written exercises, practical work, research and frequent tests; and at the close of each term there will be a set of examinations.

(3) A candidate shall pass in each of the subjects listed in the Programme of Studies of the course concerned. The pass standard shall be 50% of the marks assigned to each subject of Part I and 60% of the aggregate of the marks assigned to each of the divisions of Part II. A candidate for the Intermediate Industrial Arts and Crafts certificate or the Specialist Industrial Arts and Crafts certificate must pass a performance test before a certificate is issued.[1]

(4) (a) A candidate for the Ordinary Vocational certificate who passes in Part II and fails in not more than one subject of Part I shall be exempted from further attendance.

(b) A candidate for the Intermediate certificate in Industrial Arts and Crafts who passes in Part II and fails in not more than two sections of Shop Work *or* one other subject of Part I shall be exempted from further attendance.

(c) A candidate for the Specialist certificate in Industrial Arts and Crafts who passes in Part II and in Advanced Shop Work of Part I shall be exempted from further attendance.

(d) All other candidates who fail to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

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[1]A candidate for the Ordinary Vocational certificate must obtain a minimum of 50% in the Trade test taken during the first week of the session (see Section 68).

(e) A candidate exempted from attendance, as provided in Section 75 (4) (a), (b) or (c), may complete his standing for a certificate by re-writing at an annual examination the examination in the subject in which he failed. Examinations will be held at the close of the session at such centres and under such conditions as are set out in Section 16 (3) (b).

76. GRADES OF CERTIFICATES

(1) An Interim Ordinary Vocational certificate which qualifies the holder to teach a shop subject for two years in a vocational school.

(2) A Permanent Ordinary Vocational certificate.

(3) A Specialist Vocational certificate which qualifies the holder to act as Shop Director in a vocational school.

(4) An Interim Intermediate certificate in Industrial Arts and Crafts, which qualifies the holder to teach shop work for two years in a public, separate, continuation or high school.

(5) A Permanent Intermediate certificate in Industrial Arts and Crafts.

(6) A Specialist certificate in Industrial Arts and Crafts which qualifies the holder to teach shopwork in a collegiate institute.

(7) A Vocational School Principal's certificate. For the requirements for this certificate, consult the regulations of the Department of Education.

77.

Books of Reference:

Bennett: History of Manual and Industrial Education, 1870-1917.
Bernhardt: Elementary Psychology.
Burton: Supervision and the Improvement of Teaching.
Conant: General Education in a Free Society.
Cornford: The Republic of Plato.
Counts: Education and the Promise of America.
Cubberley: Changing Conceptions of Education.
Delmar: Applied Textiles.
Delmar: Fundamentals of Dressmaking.
Department of Education: Principles of Method.
Edmonson, Roemer, and Bacon: The Administration of the Modern Secondary School.
Fern: Training for Supervision in Industry.
Fryklund: Trade and Job Analysis.
Hamilton: The Teacher on the Threshold.
Hook: Education for Modern Man.
Leighbody: Methods of Teaching Industrial Subjects.
McCutcheon: Public Education in Ontario.
Prosser and Allen: Vocational Education in a Democracy.
Struck: Creative Teaching.

Struck: Education for a Post-War World.
University of London Press Ltd: The Content of Education.
University of State of New York: Improving Instruction Through Supervision.
University of State of New York: The Instructor and His Job.
Warner, Havighurst, Loeb: Who Shall Be Educated?
Wilber: Industrial Arts in General Education.
Wright and Allen: Efficiency in Vocational Education.

COURSES FOR DEGREES IN PEDAGOGY

The Ontario College of Education offers courses of instruction for the degrees in Pedagogy during the regular College Sessions and during Summer Sessions.[1]

DEGREE OF BACHELOR OF PEDAGOGY (B.PAED.)

78. The degree of Bachelor of Pedagogy (B.Paed.) will be awarded under the following conditions:

(1) The candidate shall hold an approved degree in Arts, Education, Science, Agriculture, Engineering, or Commerce and a certificate as teacher valid in one of the Provinces of Canada and issued after a regular course in an approved training school or the equivalent of such certificate and course of training.

(2) The candidate shall be in attendance at the Ontario College of Education during two regular College Sessions or three Summer Sessions.

(3) The course shall consist of six units including units 1 and 2 and any four others of units 3 - 14 as follows:

1. *The Development of Modern Educational Systems*
   The movement towards state responsibility for the education of all, and the extension of state-controlled systems of education, with attention to economic, political and social changes, particularly in Great Britain, the United States and Canada during the past two centuries.
2. *The Development of Modern Educational Thought and Practice*
   The theory and practice of outstanding educators during the past two centuries, related to changing concepts of society, and the influence of these educators on ordinary classroom practice in Great Britain, the United States and Canada.
3. *Educational Psychology*
   An introductory course in general educational psychology.

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[1]See Section 7 (4) for information regarding a Fellowship in Education.

4. *School Law and Administration of Education in Ontario.*

5. *Supervision*

Functions and duties of supervisors and principals as related to the administration of the elementary and secondary school and improvement of instruction; specific administrative and supervisory techniques.

6. *Principles and Practices in School Administration*

The administration of education in England, the United States, Canada, Australia, New Zealand and South Africa. Relevant information regarding other countries may be included.

The course will include a consideration of such topics as centralization *vs.* decentralization, school legislation, division of duties between central and local authorities, educational finance, supervision, etc. Comparisons between systems in different countries will be stressed throughout the course.

7. *Measurement in Education*

An evaluation of various types of objective and essay-type examinations. The preparation and use of new-type tests. Standardized tests. The measurement of general and specific aptitudes, personality traits, and school achievement. Interpretation of test results.

8. *Educational and Vocational Guidance*

Basic principles and current practices in educational and vocational guidance, with a discussion of diagnosis, counselling, and the place of group work, in a student personnel programme.

9. *Instructional Techniques and Practices*

The development of theories of learning from Pestalozzi to modern times, and the influence of these theories on curricula and methods. A study of such general methods as the Dalton Laboratory Plan and the Enterprise Method, as well as an evaluation of various methods of teaching the subjects of the elementary and the secondary school curriculum.

10. *Educational Statistics and Experimental Methods*

An introductory course in elementary statistics. Design of experiments, including the logic of generalizing from a sample to the population and methods of planning investigations.

11. *Modern Philosophies of Education*

Critical survey of modern philosophies and the conflict of essentialist and progressivist schools of thought.
The nature of society and the aims of education in different types of society—especially in a democracy.
Various educational agencies; the peculiar place of the school; an evaluation of the school and a noting of new ventures designed to take care of the inadequacies of the school.

12. *Intelligence and its Measurement*

The nature, growth and distribution of intelligence. The preparation, administration and interpretation of group and individual mental tests.

13. *Mental Hygiene and Child Study*

The factors involved in child development (pre-school period, early school years, intermediate years, adolescence) and the difficulties and problems of each period. The preventive and remedial phases of mental hygiene.

14. *Diagnosis and Remedial Instruction*

Study of pupil difficulties and techniques of preventive and remedial teaching, with special emphasis on practices suitable for typical classrooms; use of diagnostic tests, observations and examinations and interpretation of the results.

Not more than four of these units shall be taken during a regular College Session and not more than two during a Summer Session. Courses for full-time students only will be offered in the regular Session. Not all units will be given in any one Session. Certain of the units will be offered only in alternate Sessions.

The candidate who holds (*a*) an Ontario Inspector's Certificate, or (*b*) an Ontario Vocational School Principal's Certificate, or (*c*) an Ontario Specialist or Intermediate Guidance Certificate, or who has completed attendance in any subject of the former Pedagogy courses, may be exempted from attendance in two units but shall take the written examination in these units.

For two of the above units the candidate, with the special previous consent of the Committee in charge of the courses, may substitute an approved course in another department of the University, of a standard not lower than that of a minor in a course leading to the degree of Doctor of Philosophy.

(4) The examinations, one paper per unit, shall be held in April and May at the University of Toronto or in other localities in the Province chosen by the candidate and approved by the Senate and under

a presiding examiner appointed by the Senate, provided the candidate thereat defray the cost of the local examination. The candidate shall send notice not later than the 15th day of March of his intention to take the examinations and of the locality he has chosen for such examinations.

(5) Fees:

Registration	$ 5.00
Tuition, Summer Session	50.00
Tuition, regular College Session, including examination and library fees	75.00
Examination, per unit	3.00
Degree	10.00

All fees shall be paid to the University of Toronto with the application for registration or examination, as the case may be.

(6) The standard for a Pass degree shall be 60 per cent. of the marks assigned to each unit. The candidate who obtains 60 per cent. of the marks of each unit and 75 per cent. of the aggregate of marks shall be awarded a degree with Honours. On the report of the instructors concerned a maximum of 40 per cent. of the marks in any unit may be assigned to the term work of the candidate.

(7) The candidate who has completed one or more subjects not later than May, 1946, will be given credit for two units per subject, these units to be approved by the examiners in the subjects concerned.

DEGREE OF DOCTOR OF PEDAGOGY (D.PAED.)

79. The degree of Doctor of Pedagogy (D.Paed.) will be awarded by the School of Graduate Studies under the following conditions:

(1) The candidate who completed not later than May, 1936, the course for the degree of Bachelor of Pedagogy is eligible for admission to the course for the degree of Doctor of Pedagogy. If the candidate for admission to the course for the degree of Doctor of Pedagogy has completed the course for the degree of Bachelor of Pedagogy in 1937 or later, he must pass a qualifying examination, to be held annually in February.[1] Details of this examination may be obtained on application to the Secretary of the Ontario College of Education.

(2) The candidate, after admission to the course, shall be in attendance at the Ontario College of Education during one regular College Session or one Summer Session.

(3) The course shall consist of two units as defined herein and a thesis as defined in (5) below.

[1]Under special circumstances and at the discretion of the Pedagogy Committee, other arrangements regarding the qualifying examination may be made for a student in full-time attendance who has credit for at least four units.

A candidate admitted to the course for the degree of Doctor of Pedagogy shall take from the sixteen units listed in Sections 78 (3) and 79 (3) any two units not included in his course for the B. Paed. degree.

15. *Advanced Statistics and Measurement*

A study of recent developments in statistics and measurement, with emphasis on the mathematical assumptions and derivations underlying the theory; will include multiple regression, analysis of variance and covariance, sampling theory, and applications of statistical methods to the development of measuring instruments.

16. *Research in Education*

Nature of scientific thinking. Finding and defining the research problem. Advantages, disadvantages, limitations and theoretical aspects of various methods of doing research in education. Location, evaluation, analysis and presentation of data. The research report.

(4) The examinations shall be held at such times and under such conditions as to date of application, place of examination, percentages, term work, etc., as obtain with the Bachelor's degree.

(5) The candidate, after passing the prescribed examinations, shall also submit *on or before February 1st* a thesis on an educational topic which has been selected with the approval of the Ontario College of Education. The thesis must show scholarly treatment and literary excellence. After the examiners have reported in favour of the candidate's examinations and thesis, and before the degree of D.Paed. is conferred, the candidate shall furnish the Secretary of the School of Graduate Studies with four copies of the thesis, and shall make arrangements to publish the thesis or an approved abstract thereof. If the candidate publishes only an abstract of his thesis, he shall furnish the Secretary of the School of Graduate Studies with twenty-five copies of the abstract.

(6) Fees:

Registration	$ 5.00
Tuition, Summer Session	50.00
Tuition, Regular College Session, including examination and library fees	75.00
Examination, per unit	3.00
Examination of thesis	10.00
Degree	25.00

All fees shall be paid to the University of Toronto with the application for registration or examination as the case may be.

DEGREES OF DOCTOR OF PHILOSOPHY (PH.D.) AND MASTER OF ARTS (M.A.)

For information about the courses for these degrees, candidates should consult the calendar of the School of Graduate Studies.

The University of Toronto issues the following official calendars and curricula, any one of which may be had on application to the Registrar of the University or to the Secretary of the Faculty respecting which information is sought:

CALENDARS

Admission Requirements and Scholarships

Faculty of Arts

Faculty of Medicine

Faculty of Applied Science and Engineering

Faculty of Household Science

Ontario College of Education

Library School

Faculty of Forestry

Faculty of Music

School of Graduate Studies

Faculty of Dentistry

School of Law

School of Architecture

School of Physical and Health Education

School of Social Work

School of Nursing

School of Hygiene

Institute of Child Study

CURRICULA

University Extension—

Teachers' Classes, Summer Session, Occupational Therapy, Physical Therapy, Business, Institutional Management.

Ontario College of Education
Library
University of Toronto

UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education

1951-1952

In view of increasing costs of supplies and labour, residence dues and other charges set forth in this calendar are subject to change by the Board of Governors.

UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education

1951-1952

THE UNIVERSITY OF TORONTO PRESS
1951

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CALENDAR, 1951-1952

1951—July 3.....Summer Session (Pedagogy) opens.

Aug. 3.....Summer Session (Pedagogy) closes.

Sept. 25-29...Medical Examination.

Sept. 26.....Academic year begins at 9 a.m.

Sept. 26.....Address by the President to the students of all faculties and schools at 3.45 p.m. in Convocation Hall.

Oct. 4.....Meeting of Council.

Nov. 1.....Meeting of Council.

Nov. 10.....Remembrance Day Service at 10.45 a.m. Lectures and laboratory classes withdrawn from 10 a.m. to 11.15 a.m.

Dec. 6.....Meeting of Council.

Dec. 21.....Last day of lectures. Term ends at 5 p.m.

1952—Jan. 7.....Winter Term begins at 9 a.m.

Jan. 10.....Meeting of Council.

Jan. 20.....Last day for receiving the second instalment of fees.

Feb. 7.....Meeting of Council.

Mar. 6.....Meeting of Council.

Apr. 3.....Meeting of Council.

Apr. 11.....Good Friday.

Apr. 21.....Spring Term begins.

May 1.....Meeting of Council.

May 16.....Last day of Lectures.

May 19-30...Final Examinations (except for candidates for Intermediate and Specialist Industrial Arts and Crafts certificates).

May 26-29...Final Examinations for candidates for Intermediate and Specialist Industrial Arts and Crafts certificates.

June 4, 5, 6...University Commencement.

ADMINISTRATIVE OFFICERS

The University

President.....Sidney Smith, K.C., M.A., LL.B., LL.D., D.C.L., F.R.S.C.

Registrar.....J. C. Evans, B.A.
Librarian.....W. S. Wallace, M.A., LL.D., F.R.S.C.
Warden of Hart House.....N. Ignatieff, M.B.E., B.Sc.
Director of University Extension....W. J. Dunlop, B.A., B.Paed., LL.D.
Assistant to the President.....C. T. Bissell, M.A., Ph.D.

Comptroller.....R. E. Spence, B.A., A.C.A.
Bursar and Secretary to the Board of Governors..C. E. Higginbottom, F.C.I.S.
Superintendent of Buildings and Grounds.....A. D. LePan, B.A.Sc.
Chief Accountant.....G. L. Court, D.F.C., B.Com., C.A.

Director of University Health Service
G. W. Wodehouse, M.C., M.D., F.R.C.P.
Assistant Director of University Health Service—Women
Miss F. H. Stewart, B.A., M.D.
Director of Athletics and Physical Education—Men..W. A. Stevens, B.S.
Director of Athletics qnd Physical Education—Women..Miss Z. Slack, B.A.
General Manager of the University of Toronto Press
A. G. Rankin, B.Com., C.A.
Editor of the University of Toronto Press
G. W. Brown, M.A., Ph.D., F.R.S.C.
General Secretary-Treasurer of the Students' Administrative Council
E. A. Macdonald, B.A.
Associate Secretary of the Students' Administrative Council
Miss A. E. M. Parkes, B.A.
Director of Hart House Theatre.....R. S. Gill, M.A.
Director of the Placement Service.....J. K. Bradford, O.B.E., B.A.Sc.

Ontario College of Education

Dean.....A. C. Lewis, M.A., D.Paed.
Director of the Department of Educational Research
J. A. Long, B.A., Ph.D.
Supervisor of Graduate Students.....C. E. Phillips, M.A., D.Paed.
Director of the Vocational Guidance Centre.....M. D. Parmenter, M.A.
Director of the Department of Vocational Training and Industrial Arts and Crafts.....R. D. Phillips, B.Sc.
Supervisor of Practice Teaching.....H. A. McGuire, B.A , B.Paed.
Supervisor of Women Students.....Miss Helen B. St. John, M.A.
Secretary.....Miss Lyda Swinarton

Note.—Communications to the Ontario College of Education should be addressed to the Secretary, Ontario College of Education, 371 Bloor Street W., Toronto 5.

CALENDAR 1951

Jan.

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July

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Aug.

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CALENDAR 1952

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Courses in Education

GENERAL INFORMATION

In its courses in Education the Ontario College of Education trains candidates for certificates as teachers and in particular for Provincial certificates as teachers of Art and Crafts, Home Economics, Physical Education, Vocal Music, Instrumental Music, Commercial Subjects, Vocational Education, Industrial Arts and Crafts, as High School Assistants and as teachers of public and separate schools. It also offers courses leading to the B.Paed., D.Paed., M.A., and Ph.D. degrees.

The buildings of the Ontario College of Education on Bloor Street contain lecture-rooms, laboratories, and reading-rooms for the accommodation of the students, and model class-rooms for observation and practice-teaching. So far as necessary the observation and practice-teaching are supplemented by observation and practice-teaching in schools in and near the City of Toronto.

While the chief exercises of the Ontario College of Education will be conducted in the buildings on Bloor Street, the students in Education may use the University's library, gymnasium, and athletic fields, and Hart House, under such conditions as obtain with other students. They will also be admitted free to the Royal Ontario Museum, Bloor Street, and to the Toronto Art Gallery, Dundas St., from 9 a.m. to 5 p.m., on presentation of their registration cards.

BOARD AND LODGING

The Secretary of the Ontario College of Education will forward lists of boarding-houses on request.

COURSES AND CERTIFICATES

1. (1) The following courses are offered:

(*a*) Courses for Interim High School Assistants' certificates, Type B; Interim High School Assistants' certificates, Type A,[1] including Physical Education, Art and Crafts, Instrumental Music, and Vocal Music;[2] Interim First Class certificates;[3] Interim Elementary certificates in Art and Crafts; Interim Elementary Type A certificates in Physical Education, Industrial Arts and Crafts,[4] Instrumental Music, and Vocal

[1]See Section 18 (1).

[2]The courses leading to High School Assistants' certificates, Type A, in Physical Education, Art and Crafts, Instrumental Music and Vocal Music are open only to those who qualify under section 26 (*c*), (*d*), or (*e*).

[3]This course may not be completed in the regular College session but requires a subsequent summer session before the candidate will be recommended for the certificate.

[4]This course may not be completed in the regular College session but requires two subsequent Summer sessions before the candidate will be recommended for the certificate.

Music; Interim Intermediate certificates in Art and Crafts, and Home Economics; Interim Elementary Commercial certificates; Interim Ordinary Vocational certificates; and for Intermediate and Specialist certificates in Industrial Arts and Crafts.

(*b*) Courses for the B.Paed. degree.

(*c*) Courses under the School of Graduate Studies for the degrees of D.Paed., M.A., and Ph.D.

(2) High School Teachers' Certificates.[1]

(*a*) Grades of Certificates:

The following grades of certificates qualify the holders for teaching in High Schools and Collegiate Institutes:

(i) An Interim High School Assistant's certificate, Type B, which qualifies the holder for two years as an Assistant.

(ii) A Permanent High School Assistant's Certificate.

(iii) An Interim High School Assistant's Certificate, Type A, which qualifies the holder for two years as an Assistant and as the head of a department in a Collegiate Institute.

(iv) A High School Specialist's Certificate.

(v) A High School Principal's Certificate.

(*b*) Requirements for the above Certificates:

(i) For an Interim High School Assistant's Certificate, Type B: The completion of the professional course of training for this certificate at the Ontario College of Education.

(ii) For a Permanent High School Assistant's Certificate: The Interim High School Assistant's Certificate, Type B, and two years' successful teaching experience in Ontario in a secondary school or in Grades IX or X of a Public or Separate School.

(iii) For an Interim High School Assistant's Certificate, Type A: The completion of the professional course of training for this certificate at the Ontario College of Education.

(iv) For a High School Specialist's Certificate: An Interim High School Assistant's Certificate, Type A, and two years' successful teaching experience in Ontario in the subject or subjects covered by the Interim High School Assistant's Certificate, Type A.

(v) For a High School Principal's Certificate: For this information consult the regulations of the Department of Education.

(*c*) The holders of Interim High School Assistants' Certificates, Type B, or Permanent High School Assistants' Certificates may secure Interim High School Assistants' Certificates, Type A, under the conditions outlined in Section 17 of this calendar.

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[1]For certificates in Vocational Training and in Industrial Arts and Crafts, see Section 76.

SESSION

2. Enrolment will take place and the medical examination will begin at 9 a.m., Tuesday, September 25th. The Autumn Term will end December 21st, at 5 p.m., and the Winter Term will begin January 7th at 9 a.m. The Spring Term will begin April 21st and end May 31st.

DUTIES OF STUDENTS

3. (1) Regular attendance on the part of candidates for Provincial certificates is indispensable, except for such as are exempt from attendance under the regulations of the Department of Education, and for such as are permitted by the Dean to act, after Christmas, for not more than a total of one fortnight, as substitute teachers in the schools of Ontario.

(2) Students whose class-work shows them to be unduly deficient in scholarship, or whose conduct, attendance or progress is unsatisfactory, may be dismissed from attendance by the Dean at any time during the session.

(3) On the Dean's report to the Minister of Education as to the physical unfitness of a student for training for a Provincial certificate as a teacher, the Minister may require a special medical examination of such student, and, as a result thereof, may direct that his registration for such training be cancelled.

(4) Various religious, athletic, literary and dramatic associations are formed each session. For professional improvement all students shall share in the activities of the literary and dramatic associations.

FEES

4. (*a*) For Intramural Students:

High School Assistants' Course, Type B, One-Year Intermediate Home Economics Course, and Vocational Training and Industrial Arts and Crafts courses.

*Academic Fee	†Incidental Fees	Total Fee (if paid in one instalment)	First Term Instalment due Sept. 26	Second Term Instalment due Jan. 20
		Men		
$180	$31[1]	$211	$131	$80
		Women		
$180	$16[1]	$196	$116	$80

Notes: 1. The Academic Fee (which includes the examination and University Library fees) and the Incidental Fees are to be paid to the UNIVERSITY OF TORONTO. After January 20th, an additional deferred payment fee of $1 per month shall be imposed until the whole amount is paid.

2. A College Library deposit of $1 is to be paid at the College.

3. There is no additional fee for a High School Assistants' course, Type A, or for a Supplementary course when taken concurrently with the High School Assistants' course, Type B.

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*The fee is the same for the regular College Session as for the Session after Christmas. For those who have not attended an Ontario Secondary School for at least two years or who have not graduated from an Ontario University or whose home addresses as recorded on the register of the University from which they graduated are outside the Province of Ontario, the Academic Fee is $255.

†These Incidental Fees include the following fees:—

For men—Hart House; Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

For women—Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

[1]A student who holds an Ontario teaching certificate will pay $29 or $14, as the case may be, because he or she will not be required to take a medical examination.

(*b*) For Extramural Students:

Fee for the final examinations of the High School Assistants' course, Type B, which includes the fee for the final examinations of the High School Assistants' course, Type A, if taken concurrently	$20.00
Fee for the final examinations of the High School Assistants' course, Type A, if taken in a different Session from the final examinations of the High School Assistants' course, Type B	5.00
Fee for examination in one subject of any course when repeated in a subsequent Session	2.00

5. (1) EXEMPTION FROM FINAL EXAMINATIONS

Exemption from the final examinations of the various courses in which they are enrolled may be granted, in one or all, to intramural candidates, whose fees are paid in full by May 16, 1952, and whose progress and achievement have been reported as satisfactory by the supervisor of practice-teaching and by all of the instructors in the various subjects of study. The report of the supervisor of practice-teaching shall be based upon the critics' estimates of the practice-teaching of students concerned, and the reports of the instructors in the subjects of study shall be based upon term tests, assigned term-work and the instructors' observation of the students' interest and effectiveness in the work of the course or courses concerned.

(2) FINAL EXAMINATIONS

No candidate will be permitted to take more than twice any final examination, or part thereof, for any certificate listed in this calendar.

APPEALS

6. The answer papers of the final examinations of all unsuccessful candidates for Provincial certificates are re-read by the examiners, and the results of the first reading reconsidered before a decision to reject is reached. Despite this fact any unsuccessful candidate may have his case considered a third time if within two weeks after the announcement of the results he lodges with the Minister of Education his appeal, with a statement of the grounds on which it is based, and with a fee of $2.00. The fee will be refunded if the appeal is sustained.

7. SCHOLARSHIPS AND PRIZES[1]

NOTE

On account of the continued tendency towards lower rates of interest, it is possible that the value of certain endowed scholarships and prizes at the time of payment may prove to be less than the amount stated in the calendar.

In those cases where the amount of the award is not payable from income earned on an endowed fund, payment will be dependent on the receipt of the amount of the annual award from the donor.

THE HUGH W. BRYAN MEMORIAL SCHOLARSHIP OF THE ONTARIO SECONDARY SCHOOL TEACHERS' FEDERATION

(1) The Ontario Secondary School Teachers' Federation has founded an annual scholarship of the value of the interest on $2,000 in memory of a former President of the Federation, Dr. Hugh W. Bryan. This scholarship will be awarded by the Bryan Memorial Scholarship Committee of the Federation, at the close of each session and after the receipt of a report from the Council of the College of Education, to the student in regular attendance throughout the session in the High School Assistants' Course who has shown "the most outstanding qualities of scholarship, teaching ability, and character."

THE LAURA L. OCKLEY SCHOLARSHIP IN HOME ECONOMICS

(2) Former students of Miss Laura L. Ockley, who was in charge of the training of Home Economics teachers in the University of Toronto from 1912 to 1943, have founded in her honour an annual scholarship of the value of $100. This scholarship will be awarded at the close of the session to a student in regular attendance in the High School Assistants' course, Type A, in Home Economics, or in the Intermediate Home Economics course, who has shown the most outstanding qualities of "scholarship and teaching ability in Home Economics and leadership in human relations." Awards over a period of years will be made to students of the High School Assistants' course, Type A, in Home Economics, and of the Intermediate Home Economics course in proportion to the registration in these courses during that period.

THE PAKENHAM MEMORIAL PRIZE

(3) As a memorial to Dr. William Pakenham, Dean of the Ontario College of Education from 1907 to 1934, the teachers of Ontario have founded an annual Memorial Prize of the value of the interest on $1,000.

[1]Only one scholarship or prize shall be awarded to any one student.

The Prize will be in the form of books stamped with the Coat of Arms of the University of Toronto, and will be awarded to the student who obtains the highest standing, as reported in the annual returns of the College, in the subjects of Part I of the High School Assistants' course, Type B, and in Practice Teaching.

THE WILLIAM PAKENHAM FELLOWSHIP IN EDUCATION

(4) The late William Pakenham bequeathed to the University of Toronto the residue of his estate to be used as the governing body of the University may direct in behalf of the activities of the Ontario College of Education.

Accordingly a Fellowship in Education has been established for advanced work either in the University of Toronto or in some other university approved by the Senate. The Fellowship shall be awarded at such intervals and have such value (not to exceed $3,000) as the Senate, on the recommendation of the Council of the Ontario College of Education, may from time to time determine. Applicants must be residents of Ontario, holding a Bachelor's degree, a teacher's certificate valid in a Canadian province, and must submit a record of professional experience and evidence of ability to make a contribution to education in Canada as a result of further work.

Applications shall be made on or before March 1st to the Secretary, Ontario College of Education.

DOMINION-PROVINCIAL STUDENT-AID BURSARIES

(5) Under this programme, Bursaries may be awarded to students in financial need who are resident in Ontario and who are in attendance at the University of Toronto. Further information may be obtained from the Secretary of the Faculty.

HART HOUSE

8. All men students are required to become members of Hart House. The purpose and the conditions of this membership are defined in a bulletin to be distributed at the time of registration.

UNIVERSITY HEALTH SERVICE

Membership. Membership in the University Health Service is obligatory for all students, with the following exceptions:

(*a*) Women living in residence at Victoria College, for whom the College provides its own Health Service.

(*b*) Students in the Pass Course for Teachers, in courses leading to the degrees of Bachelor of Science in Medicine, Bachelor of Science in Dentistry and Bachelor of Pedagogy; and certain graduate and occasional students.

Those for whom the fee is not compulsory may be granted membership on payment of the fee, provided this is done at the time of registration.

Objective. The objective is the preservation and promotion of the health of the students.

Facilities. The Health Service maintains a close liaison with the Medical Service of the Department of Veterans Affairs.

(1) Medical Examination. By order of the Board of Governors, a medical examination by the Health Service is compulsory for:

(*a*) Undergraduate students in their first year of attendance at the University. This examination is to be completed within one month of registration. Thereafter, the examination is to be repeated following any serious illness or accident.

(*b*) Any undergraduate student who, at the previous year's examination, was placed in a Category below B, i.e. B(NS), B(NBC), D, and E.

(*c*) Any student, graduate or undergraduate, whose domicile is not in Canada. This examination is to be completed annually within one month of registration.

(*d*) Any student, graduate or undergraduate, where the Health Service has reason to believe that such an examination is necessary in the interest of the health of the student or of the public.

(*e*) Any student, graduate or undergraduate, annually, before participating in organized competitive athletics. The Health Service shall have the right to debar any student on medical grounds from participating in athletics, and also to recall any athlete for examination.

An opportunity will be afforded annually for all students to have a medical check-up if they so desire.

(2) X-Ray Chest Survey for Pulmonary Tuberculosis. By order of the Board of Governors, the following groups of students must have an x-ray examination of the chest as arranged by the Health Service:

(*a*) All new students.
(*b*) All final year students.
(*c*) The following students annually:
  (i) Medical students.
  (ii) Students of the School of Nursing.
  (iii) Students whose domicile is not in Canada.
(*d*) Dental students in their first year and last two years.
(*e*) Any student for whom it is considered necessary.

(3) A Clinic Service. Any student may consult a Staff Physician at the Health Service between the hours of 9 a.m. to 4:30 p.m., Monday to Friday, and 9 a.m. to 12:30 p.m. Saturday, while the University is in session. It is essential that students should develop a sense of personal responsibility for the preservation and promotion of their own health, and if they are not enjoying good health, they are urged to consult a physician at this clinic.

(4) Athletic Injury Service. The University does not accept any responsibility for injuries sustained by students while engaged in physical education classes or in University athletic activities, but through the Student Health Service, provides for treatment within the following limits. Minor conditions are treated at its offices and at Hart House Surgery during certain hours. In the case of more serious injuries requiring specialist or hospital care, it will provide further treatment within the limits set out hereafter, provided such treatment is taken under the direction and care of staff retained by the Health Service. Treatment is limited to students who have paid the Health Service fee, and who suffer accidents while engaged in, and which arise out of University physical education classes and competitive athletics or physical recreational activities, other than skiing, sponsored by the University of Toronto Athletic Association, the Women's Athletic Association, and by the Hart House Squash Club. Members of the University and Interfaculty Ski Squads, if registered as such with the University of Toronto Athletic Association, are covered while skiing as members of such Squads.

In order to qualify for these benefits, it is necessary to notify the Health Service of injuries within twenty-one days of their occurrence. It shall be the student's responsibility to provide proof of his eligibility for this treatment.

Benefits: If such injuries shall necessitate within 90 days from the date of accident, any of the following benefits, the Health Service will provide:

(*a*) Hospital and Infirmary Benefits. The actual cost of confinement to a licensed hospital or a University Infirmary, but not exceeding $7.00 per day in the case of hospital and $5.00 per day in the case of Infirmary; and for a total period not exceeding ninety days in respect of any one accident to any one student.

(*b*) Certified Specialist Fees. The proper fees of legally qualified and certified specialists in any branch of medicine or surgery, but not exceeding the fees provided for such services in the Ontario Medical Association Schedule of Fees; and in no event exceeding $200 if such injured student is hospitalized for twenty-four or more hours, or $100 for all other cases.

(*c*) Miscellaneous Expenses. The amount expended but not exceeding $100 in any one case for the services of an anaesthetist, the use of an operating room, x-rays, surgical dressings or medicine, if such services and supplies shall be provided in a licensed hospital. Ambulance charges are included in the above.

(*d*) Dental Fees. The cost of dental x-rays and dental fees not exceeding $100 for the treatment of injury to sound, natural teeth.

(*e*) Other Insurance. Where a student is eligible for similar benefits under any other prepaid plan, the University Health Service shall be responsible only for that amount in excess of those other benefits and up to the limits above stated.

Exclusions. The benefits provided by the Athletic Injury Service shall not cover injuries sustained in transit to or from the specified activities. Nor shall it cover hernia or bacterial infections (except pyogenic infections which shall occur through an accidental cut or wound) or any other kind of disease. Nor shall it cover any injury caused directly or indirectly, wholly or partly, by willful misconduct or rowdyism, or by bodily or mental infirmity. Nor shall it cover any costs as the result of accident causing miscarriage, abortion, or aggravation of pregnancy.

(5) Health Education. The Health Service provides health education through individual consultations and at times by lectures on subjects related to the preservation and promotion of health.

For students living away from home who have not a private physician, the following services will, when available, be provided for a nominal additional charge. In the case of students on rehabilitation grants, these charges will be borne by the Department of Veterans Affairs.

(6) A Visiting Service. An initial visit only will be paid for advice and disposal. A nominal charge of $1.00 during the day (9 a.m. to 6 p.m.) and $2.00 at night (6 p.m. to 9 a.m.) is made for this visit and is payable to the Chief Accountant.

(7) An Infirmary Service. This service is for the treatment of minor illnesses only, and is available from October 1st to May 15th, and during the actual session only. A charge of $3.00 per day, payable to the Chief Accountant, is made to cover cost of meals, nursing and routine medications.

Appointments. (a) *Medical Examinations.* These examinations commence immediately after Labour Day in September. The examinations are by appointment only, which may be made either by telephone or in person at the Health Service offices. The importance of keeping and being on time for the appointment as made, cannot be over-emphasized. Undergraduate students in their initial year of attendance at the University, students whose domicile is not in Canada, and all students, graduate or undergraduate, proposing to engage in athletic activities, will be examined first. The remaining years will be offered an opportunity for this examination in succession. Examinations must be completed before March 15th. (b) *X-Ray Examination of Chest.* The Tuberculosis Survey takes place early in the Autumn Term. Arts Men students, and all Women students, make their appointments in person at their respective Health Service offices. Appointments for Men students in faculties other than Arts are made through their Class Presidents. *The Varsity* should be carefully watched for notices relative to all appointments.

Communicable Diseases. Any student who has suffered from one of the communicable diseases must report to the Health Service prior to returning to the University.

Students Whose Domicile is not in Canada. All such students are required to submit with their formal application, a certificate by a qualified medical practitioner stating that:

(1) the student is in good health and free from contagious or infectious disease, and fit to pursue his proposed course of study at this University.

(2) in addition, an x-ray film of the chest has been made within one month of the certification, and shows no evidence of tuberculosis.

They are further warned that their registration is conditional on their passing the required health examination by the University Health Service, which includes an x-ray of the chest and which must be completed within one month of registration.

Fee. The Health Service Fee is included in the "University Incidental Fees" and is paid at the time of registration.

Directory	*Address*	*Telephone*	*Hours Open*
Health Service (Men)	43 St. George St.	MIdway 9644	Monday to Friday, 9 a.m. to 5 p.m. Saturday, 9 a.m. to 1 p.m.
Health Service (Women)	43 St. George St.	MIdway 2646	Monday to Friday, 9 a.m. to 5 p.m. Saturday, 9 a.m. to 1 p.m.

N.B. This office is closed during vacation periods. At these times, general information may be obtained from Health Service (Men), and those eligible for service may make an appointment to see Dr. Frances Stewart or her substitute at her private office, by telephoning KIngsdale 7537.

Hart House Surgery	Hart House	MIdway 5838, Local 201	Monday to Friday, 5 to 6:30 p.m. (during actual session only.)
Infirmary (Men)	42 St. George St.	MIdway 3017	Open October 1st to May 15th and
Infirmary (Women)	Women's Union, 79 St. George St.	KIngsdale 8163	Open October 1st to May 15th

Accidents which occur after 6:30 p.m. (or 1 p.m. on Saturday), or which are of a sufficiently serious nature as to require immediate hospital attendance, should be taken:

Men: To the Emergency Department, Toronto General Hospital, College St.

Women: To the Emergency Department, Women's College Hospital, 76 Grenville St.

To obtain a physician after hours call KIngsdale 8163; if no answer, call KIngsdale 1911, and ask for the University Health Service physician.

UNIVERSITY ADVISORY BUREAU

The University Advisory Bureau seeks to make its own contribution to the life of the University by providing within the University a neutral zone where the student may discuss in freedom and in confidence personal matters of the most fundamental importance to his successful development as a student, as a worker, as a citizen and as a fully effective person.

In keeping with this objective, the Bureau performs the following functions:

(*a*) Through liaison with the University departments, the Registrars' offices and appropriate services on the campus, the Bureau furnishes information and assistance in the financial, educational and personal spheres. The Bureau, for instance, serves as a focal centre for applications to The Veteran-Students' Loan Fund and provides information on other loan facilities, including Navy, Army and Air Force Benevolent Trust Funds. Working with appropriate Registrars' offices, the Bureau helps the student to clarify details regarding entrance requirements, courses of study and related occupational goals. The Bureau is also available for consultation on personal questions involving adjustment to University life, assessment of interests, vocational direction and other matters of a similar nature; where advisable, students are referred to more specialized services.

(*b*) Liaison with D.V.A. The Bureau works closely with the Department of Veterans Affairs, both locally and with Ottawa headquarters, on all matters affecting the interests of ex-service students and in many ways serves as a campus clearing house for problems which might otherwise require to be referred to the Toronto office of D.V.A.

(*c*) Liaison with other universities. In contact with the Advisory Bureaus located at other Universities across Canada, the Bureau seeks to maintain up-to-date information on local variations in all fields significant to students—entrance requirements and application deadlines, courses available, length of training, degrees awarded, etc.

The Bureau is located at 67 St. George Street.

COURSE FOR THE INTERIM HIGH SCHOOL ASSISTANT'S CERTIFICATE, TYPE B

CONDITIONS OF ADMISSION

10. (1) Except as provided in (2) and (3) below, an applicant for admission to the course for an Interim High School Assistant's certificate, Type B, shall make application not later than August 31st, to the Secretary of the Ontario College of Education on an official form to be obtained from the Secretary, and should submit with this application, also on official forms which will be supplied by the Secretary:

(*a*) A certificate from the Deputy Registrar-General of Births, Parliament Buildings, Toronto, or an affidavit by one of the parents or other relative, or other person cognizant of the fact, that the applicant will be at least 20 years of age before October 1st of the year in which he applies for admission.

(*b*) A certificate from a clergyman or other competent authority that he is of good moral character.

(*c*) A certificate of successful vaccination.

(*d*) A certificate from a competent authority that he is a British subject.

(*e*) His certificate of graduation as Bachelor or Master of Arts, Bachelor or Master of Science, Bachelor of Commerce, Bachelor of Science in Agriculture, Bachelor of Applied Science, Bachelor of Household Science, Bachelor of Music[1] or Bachelor of Physical and Health Education, from a British university, after a regular university course approved by the Minister of Education as to admission requirements and as to content of the undergraduate courses.

(2) Before the final admission, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education. The medical examination shall be completed before the opening of the regular College Session.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 25th, and shall hold themselves in readiness to appear for subsequent further examination as required. *Students are required to be in continuous attendance at the College during the period of the medical examination, September 25th to 29th.*

(3) Before the final admission, an applicant must also be approved by a Selection Committee consisting of at least three members of the College Staff and a member of the Ontario Secondary School Teachers' Federation, all of whom shall be appointed by the Dean.

(4) In the event of the rejection of an applicant in consequence of the medical examination or by the Selection Committee, and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

(5) An applicant for admission to this course who is not a candidate for the certificate of the Ontario Department of Education must comply with such conditions of admission as the Council of the Ontario College of Education may determine.

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[1]This refers to the degree in the course in School Music of the University of Toronto introduced in 1946.

(6) Applications for admission to the examinations by students not in attendance at the regular session should be made, at least one month before the examinations begin, to the Secretary of the Ontario College of Education, University of Toronto, on an official form to be obtained from the Secretary.

TEXT-BOOKS

11. The text-books for the academic work are those prescribed for the High Schools of Ontario in each subject of the student's course.

For Observation and Practice-teaching students should supply themselves with copies of all necessary school text-books. They should also familiarize themselves with the professional text-books whose titles appear in the lists given below under each subject, beginning with Section 37.

PROGRAMME OF STUDIES

12. (1) The course of training for the Interim High School Assistant's certificate, Type B, consists of two parts as follows:

Part I: (*a*) General professional courses, including an Introduction to Education, Educational Psychology, and School Management and Law.

(*b*) Courses in methods of teaching any *two* of the following:

English
Geography and History
Mathematics
Science
Latin
French
German
Greek
Spanish
Italian

Part II: Observation and Practice Teaching.

(2) Students in attendance in the High School Assistants' course, Type B, may take also, if they possess the required qualifications, a High School Assistant's course, Type A, and a Supplementary course.

(3) Diction and Voice Production.

At the beginning of the session the short course of lectures on Diction and Voice Production mentioned in Section 60 will be given. These

[1]Candidates for High School Assistants' certificates, Type A, as defined in section 18 (1), in selecting their subjects from (*b*) above, must include the corresponding subject or subjects of the High School Assistants' course, Type A.

[2]German, Spanish, Greek and Italian may be chosen only by candidates for the High School Assistants' certificates, Type A, except by permission of the Dean.

lectures will be supplemented by corrective work with students whose need in this respect is revealed in their practice-teaching. Students requiring speech correction may be withdrawn by the Dean from their supplementary courses for this remedial work.

ORGANIZATION OF COURSE

13. (1) The instruction in the special methodology of the subjects of the High School courses shall be accompanied by a review from the academic standpoint of such portions of each subject as may be necessary to determine the scholarship of the students and to illustrate the methods of instruction in that subject, dealing in particular with those parts of the course that are difficult of presentation.

(2) The following introductory work shall be taken up at the beginning of the session:

(*a*) A brief course in the General Method of the Recitation as a preliminary to Observation and Practice-teaching.

(*b*) Supervised Observation and Practice lessons in High School grades. Students shall be notified of the subject and scope of each Observation lesson, and should prepare the lesson beforehand. After observing the lesson they shall discuss it with the teacher or lecturer concerned.

(3) The introductory course defined in (2) above shall be followed by systematic Observation and Practice-teaching, under the general supervision of the lecturers in the Ontario College of Education.

The Observation work shall begin in the third week of the session, and the Practice-teaching in the fifth week. Exclusive of the introductory work, the programme of instruction shall include for each student at least 25 full days of Observation and Practice-teaching. This number may be increased to meet the needs of individual students.

(4) (*a*) The Observation and Practice-teaching for each student shall be arranged to represent as far as practicable the work in all grades of the Lower, Middle, and Upper Schools of the High Schools.

(*b*) From time to time, throughout the College session, students shall be excused from the regular College exercises, and shall be assigned to approved practice-schools for continuous periods of Observation and Practice-teaching. For part of each of these periods of continuous practical work the student shall be wholly responsible for the management of his class.

(5) Students shall be notified of the subject and the scope of each Practice-teaching lesson required and shall prepare a plan of each Practice-teaching lesson for submission to the teacher.

(6) (*a*) The lecturers of the Ontario College of Education shall develop the details of their subjects in the teaching order, and, after each suitable step, model lessons will be taught in special classes and in the practice schools.

(*b*) From time to time, the lecturers of the Ontario College of Education shall be present at the Observation lessons and Practice-teaching of the students and shall join in the criticism and valuation of their work.

EXAMINATIONS

14. (1) The final standing of students in attendance shall be determined by the combined results of the sessional records and the records of the final examinations in the subjects of Part I, and by the results of the records of the Observation and Practice-teaching of Part II.

(2) The sessional records represent oral and written exercises, practical work, practice in making examination papers, and in valuing the answer-papers of pupils, and written examinations which shall test in particular the academic scholarship of the candidates.

(3) At the final examinations in Part I, each paper in the academic subjects shall contain questions in methodology, which shall test also the candidate's academic knowledge and, if his sessional records and his answers to these questions show that his academic knowledge is defective, he shall be rejected on this ground alone.

(4) No student in Science or in Modern Languages shall be recommended for a certificate who is not awarded 50% of the marks assigned to laboratory practice in Science or to the oral practice in the Languages.

(5) The maximum marks assigned to each subject in Part I shall be 100. In all subjects a maximum of 40% of the marks shall be assigned to the sessional records and 60% to the final written examinations.

(6) A maximum of 800 marks shall be assigned to Practice-teaching and of 400 to Observation. The standing of the student in Observation and in Practice-teaching shall be based upon his sessional records in the lessons following those which form part of the introductory courses.

CERTIFICATES

INTRAMURAL CANDIDATES

15. (1) A student who obtains 50% of the marks in each of the required subjects of Part I and 60% of the aggregate of the marks in each of the divisions of Part II, may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim High School Assistant's certificate, Type B.

(2) A student who passes in Part II and fails in not more than one of the required subjects of Part I will be exempted from further attendance.

(3) All other students who have failed to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

EXTRAMURAL CANDIDATES

16. (1) (*a*) Candidates who are exempted from attendance at the Ontario College of Education, as provided in Section 15 (2), may complete their standing for a certificate by re-writing, at an annual examination, the examination in the subject in which they failed.

(*b*) Candidates who failed at an examination under former Regulations and who were exempted from subsequent attendance at the Ontario College of Education shall take, not later than a date determined in each case by the Minister of Education, the final examination papers as prescribed herein but their standing shall be determined in the subjects as constituted under the regulations in force when they first wrote.

(*c*) Candidates who have been exempted by the Minister of Education from attendance at the Ontario College of Education on account of equivalent training in other provinces or countries, or because they hold Permanent First Class certificates issued on the completion of a second session of attendance at a Provincial Normal School, or because they hold Permanent First Class certificates and for at least the last two years of their teaching experience have been graded better than "Average" by the Inspectors on the Teachers' Record Cards, and who are required to write on the final examinations of the Ontario College of Education shall present to the College, on or before February 15th of the year in which they write the final examinations of the High School Assistants' course, Type B, evidence of graduation as required by Section 10 (1) (*e*)[1]; they shall take the prescribed final examinations in the subjects of Part I, and shall also satisfy the examiners that they are competent to teach efficiently the subjects of the High School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

(2) The pass standard for candidates exempt from attendance shall be the same as that for candidates in attendance, as required by Section 15 (1), but no allowance shall be made for sessional work, if any, in the case of candidates not in attendance.

(3) (*a*) Candidates exempt from attendance at the Ontario College of Education under (1) (*c*) above or (4) (*a*) below shall take their practical tests in Part II at such times during the session as may be agreed upon with the examiners, but not later than May 1st. They shall take their examinations in the subjects of Part I at one annual examination at the close of the session on dates to be determined by the examiners.

[1]From candidates exempted from attendance by the Minister, the College will accept in lieu of the actual certificate of graduation, an official statement from the candidate's university that the candidate has completed the work for the degree on or before February 15th of the year in which he presents himself to write the final examinations of the College, and that he will receive the degree at the next regular Convocation of his university.

(*b*) Candidates exempt from attendance may take their written examinations in Part I at the Ontario College of Education, Toronto, or at one of the Provincial Normal Schools outside of Toronto or, in the case of candidates who live in Provincial Districts, at approved local centres where inspectors of schools are available as presiding officers.

(*c*) Candidates exempt from attendance shall take their practical tests at the Ontario College of Education, Toronto, or, in special cases, at local centres under the supervision of the visiting Provincial Inspector. The conditions that determine these cases may be learned from the Ontario College of Education on application at the beginning of the session. A candidate who has failed in the practical tests at the Ontario College of Education or under a Provincial Inspector shall not be admitted to a second practical test during the same College session.

(4) (*a*) Candidates who have fulfilled the requirements for admission to the High School Assistants' course, Type B, and (i) who hold Ontario First Class certificates issued on the completion of one session of attendance at an Ontario Normal School or equivalent training accepted by the Minister, and have had at least three years of successful teaching experience[1] in the Public, Separate, or Continuation Schools of Ontario, or (ii) who hold Permanent Second Class certificates issued on the completion of one session of attendance at an Ontario Normal School and have had at least six years of successful teaching experience in the Public or Separate Schools of Ontario, or (iii) who hold Permanent Second Class certificates issued on the completion of a second session of attendance at an Ontario Normal School, or (iv) who hold interim Vocational certificates and have had at least two years of successful teaching experience in the Vocational Schools of Ontario, shall be exempted from attendance at the Ontario College of Education but shall attend the Summer course for a High School Assistant's certificate, Type B, conducted by the Department of Education, and shall take the final examinations of the Summer course in the prescribed subjects of Part I. They shall also satisfy the examiners that they are competent to teach efficiently the subjects of the High School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

(*b*) A candidate who has been duly admitted to the Summer Session for the High School Assistant's certificate, Type B, who attends throughout the session, and who successfully passes the examinations at the close of the session, may, on the recommendation of the examiners, be

[1]Service personnel may count a year of service for a year of teaching experience, up to a maximum of two years, but *such candidates will be required to take a practical test in teaching.*

awarded by the Minister of Education an Interim High School Assistant's certificate, Type B. The recommendation, however, will be withheld until the candidate has satisfied the examiners as indicated in (4) (*a*) above that he is competent to teach efficiently the subjects of the High School courses.

(*c*) Candidates who have obtained Interim Vocational certificates by attendance at the Ontario Training College for Technical Teachers or the Ontario College of Education, and who in addition to the practice teaching lessons required for a Vocational certificate, have taught to the satisfaction of the staff of the Ontario College of Education, at least ten lessons in academic subjects (English, Mathematics and Science) shall be exempted from the practical test in teaching.

(*d*) Candidates who have attended the Summer Course or have been exempted from attendance under (i) (*c*) above, and who fail in one or more of the various tests prescribed for an Interim High School Assistant's certificate, Type B, may complete their standing for said certificate under the following conditions: (i) candidates who fail in the practical test in teaching shall be admitted to a second test in a subsequent College Session; (ii) candidates who fail in more than one subject of Part I shall rewrite at one annual examination of the College Session the examinations in all prescribed subjects of Part I; (iii) candidates who fail in not more than one subject of Part I may rewrite at an annual examination of the College Session, the examination in the subject in which they failed; (iv) candidates who do not pass the final examinations of the Summer Session will be required to take the final examinations of the regular College Session within three years of having attended a Summer Session in this course, or must re-attend the Summer Session in order to be eligible for admission to the examinations for an Interim High School Assistant's certificate, Type B.

(*e*) Other candidates who hold an Ontario First or Second Class certificate with the academic standing required for admission to the High School Assistants' course, Type B, shall be exempted from attendance during the Autumn term[1]; but shall take all sessional tests held in the Winter and Spring terms and all the final examinations prescribed for Part I and shall also satisfy the examiners by practical tests that they are able to teach the subjects of the High School courses.

COURSES FOR INTERIM HIGH SCHOOL ASSISTANTS' CERTIFICATES, TYPE A

CONDITIONS OF ADMISSION

17. (1) Applicants for admission to the courses for Interim High School Assistants' certificates, Type A, or to the final examinations for said certifi-

[1]Application for admission to the College at the beginning of the second term in January should be made not later than December 1st. Enrolment in January may be limited according to the available accommodation.

cates, shall also be applicants for admission to the course for the Interim High School Assistant's certificate, Type B, or shall be applicants for admission to the examinations therefor without attendance throughout the session, or shall already hold High School Assistants' certificates. No candidate will be awarded an Interim High School Assistant's certificate, Type A, or receive credit towards said certificate *before* he has been awarded an Interim High School Assistant's certificate, Type B.[1]

(2) A candidate for an Interim High School Assistant's certificate, Type A, who is also a candidate for admission to the course for an Interim High School Assistant's certificate, Type B, shall comply with the conditions for admission prescribed for candidates for the Interim High School Assistant's certificate, Type B, and shall submit evidence of standing not lower than 66% in the final or graduation courses approved by the Minister of Education.

(3) The applicant whose standing is below 66% but not lower than 60% in these approved courses will be admitted to the final examinations leading to the Interim High School Assistant's certificate, Type A, on submitting evidence from the Principal and High School Inspector of at least ten years' teaching experience, graded better than average, in a High School, Collegiate Institute or Vocational School of Ontario subsequent to obtaining the academic standing referred to above.

COURSES[2]

18. (1) Courses shall be offered for Interim High School Assistants' certificates, Type A, in Agriculture, Classics, English and French, English and Latin, English, Geography, History, French and German, French and Italian, French and Spanish, Latin and French, Latin and Greek, Mathematics, Mathematics and Physics, Science, Physics and Chemistry, Physics and Biology, Chemistry and Biology, and Home Economics.

(2) Courses shall also be offered leading to Interim High School Assistants' certificates, Type A, in Physical Education, Art and Crafts, Instrumental Music, and Vocal Music, under the conditions defined in Section 26.

(3) Each Type A course shall consist of at least the equivalent of two seminar-periods per week throughout the Session and of special Observation and Practice-teaching in the subjects in which the candidate is an applicant for a High School Assistant's certificate, Type A.

TEXT-BOOKS

19. Students in the courses for High School Assistants' certificates, Type A, shall supply themselves with such special professional text-books as may be recommended by the instructors from the lists given under the details of each course. The other books and journals, whose names appear in these lists, may be consulted in the library of the Ontario College of Education.

EXAMINATIONS

20. (1) Subject to the condition that no student may be awarded an

[1]See Section 1 (2), page 8.
[2]See footnotes 1, 2, page 20.

Interim High School Assistant's certificate, Type A, who does not already hold or is not also awarded an Interim High School Assistant's certificate, Type B, the final standing of students in attendance in the High School Assistants' courses, Type A, shall be determined by the records of the Practice-teaching in the department or subject concerned, and by the combined results of the sessional records and the records of the final examinations in the same department or subject. The sessional records represent oral and written exercises, practical work, practice in preparing examination papers, and in valuing the answer-papers of pupils, and such term work as the instructors may prescribe. The records of the final examinations shall be based upon two examination papers taken in each department at the close of the session. The maximum marks represented in the Practice-teaching shall be 100; in the sessional records 40; and in the final written examinations of the department or subject 60.

(2) The final standing of students not in attendance shall be determined by the final written examinations and by teaching in the department concerned. For this purpose the maximum of marks in each case shall be 100.

CERTIFICATES

21. (1) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A, referred to in Section 18 to students in attendance who have fulfilled the conditions of the course for the Interim High School Assistant's certificate, Type B, and in their High School Assistants' course, Type A, have obtained (*a*) 66% of the aggregate of marks represented in the sessional records and the records of the final examinations and (*b*) 66% of the marks assigned to the Practice-teaching.

(2) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A, of Section 18 (1) to students exempt from attendance who hold or are awarded High School Assistants' certificates, who are duly qualified for admission to a High School Assistants' course, Type A, and who obtain 66% of the marks assigned to the written examinations and to the Practice-teaching, respectively, in the High School Assistants' course, Type A, concerned.

(3) Students who are awarded Interim High School Assistants' certificates, Type A, in Home Economics under (1) and (2) above and who hold or obtain First or Second Class certificates may have their High School Assistants' certificates, Type A, endorsed as valid in the Home Economics departments of the Public and Separate Schools.

(4) (*a*) For students not in attendance the written examinations in the courses for Interim High School Assistants' certificates, Type A, of Section 18 (1) will be held at the close of the session at such centres and under such conditions as are set out in Section 16 (3).

(*b*) For students not in attendance the practical examinations shall be held at the Ontario College of Education, Toronto, or at local centres as prescribed in Section 16 (3).

SUPPLEMENTARY COURSES

22. Students in attendance in the High School Assistants' course, Type B, may take also *one* of the following Supplementary courses[4]:

I. Course for the Elementary Physical Education certificate, Type A.
II. Course for the Elementary Art and Crafts certificate.
III. Course for the Elementary Vocal Music certificate, Type A.
IV. Course for the Elementary Instrumental Music certificate, Type A.
V. Course for the Elementary Commercial certificate.[1]
VI. Course for the Elementary Industrial Arts and Crafts certificate, Type A.[2]
VII. Course for the Intermediate Home Economics certificate.[3]
VIII. Course for the First Class certificate.[2]

Within one month of the beginning of the above Supplementary courses, the student shall satisfy the instructor of the Supplementary course he has chosen that he is adapted to the study of the course, or his registration in the Supplementary course shall be cancelled.

23. (1) The subjects of supplementary courses I-VIII shall be those set forth in Sections 54-59 and 33 respectively. Observation and Practice-teaching are obligatory in each of these supplementary courses.

(2) Students in supplementary courses I-VIII shall supply themselves with such text-books and equipment as may be recommended.

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[1]Admission to this course is restricted to students who submit evidence of having a satisfactory functional knowledge of the elementary principles of Bookkeeping, Shorthand and Typewriting, or of having successfully completed an approved course in Bookkeeping, Shorthand and Typewriting in a Vocational secondary school or at a university, under certain conditions, to be learned at the College. A student who submits the required evidence with respect to *two* of the three subjects mentioned above may be allowed by the Dean to proceed with the course but must remove the deficiency in the third subject before being admitted to the final examinations of the course.

[2]The Supplementary courses leading to the First Class certificate and to the Interim Elementary Type A certificate in Industrial Arts and Crafts may not be completed in the regular College session, but require, in the First Class course, one subsequent Summer session and in the Industrial Arts and Crafts course two subsequent Summer sessions before the candidates will be recommended for the certificates.

[3]Admission to this course is restricted to students who submit evidence of graduation, with a standing not lower than 60% in the Home Economics of the final year from a University course approved by the Minister of Education in which, for at least the last two years of the course, Home Economics has been a regular subject of study.

[4]Any student may, with the approval of the instructor, take the Elementary courses in both Vocal Music and Instrumental Music.

EXAMINATIONS OF SUPPLEMENTARY COURSES I-VII[1]

24. (1) PHYSICAL EDUCATION:

Practical Tests:

FOR WOMEN: Gymnastics, Games, Rhythmics.

FOR MEN: Basic Drill, Gymnastics, Apparatus, Games, Swimming.

Fifty per cent of the marks in each of the practical tests shall be assigned to the sessional and fifty per cent to the final tests.

Written Examination:

Theory, Methods and Materials.

(2) ART AND CRAFTS:

Practical Tests:

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering.

Written Examinations:

Theory and History of Art and Crafts, Methods of Teaching Art and Crafts.

(3) VOCAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Voice Training and Song Material, Conducting.

Written Examinations:

Rudiments of Music, Music Appreciation, Methods.

(4) INSTRUMENTAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Technical Training, Conducting.

Written Examination:

Methods.

(5) COMMERCIAL SUBJECTS:

Practical Tests:

Shorthand Practice, Typewriting, Penmanship.

Written Examinations:

Shorthand Theory, Bookkeeping, Methods.

(6) INDUSTRIAL ARTS AND CRAFTS:

Practical Tests:

Draughting, Woodworking, Sheet Metal Work, Machine Shop Practice.

Written Examination:

Methods of instruction and class organization of the General Shop.

(7) HOME ECONOMICS:

Practical Tests:

Meal Management; Care of the Home and Family; Clothing—Selection, Construction and Care.

Written Examination:

Theory and Methods.

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[1]See Section 35 for Course VIII.

CERTIFICATES FOR SUPPLEMENTARY COURSES I-VII[1,2]

25. (1) On the recommendation of the examiners the Minister of Education may grant an Elementary certificate in Art and Crafts or an Elementary Commercial certificate or an Elementary Type A certificate in Physical Education or Vocal Music or Instrumental Music or an Intermediate certificate in Home Economics, or standing in Part I of the course for the Elementary Type A certificate in Industrial Arts and Crafts, as the case may be, to a student in the course for an Interim High School Assistant's certificate, Type B, provided that the said student is awarded an Interim High School Assistant's certificate, Type B, and obtains a minimum of 60% of the marks assigned to practice-teaching and (*a*) in Art and Crafts or Physical Education or Industrial Arts and Crafts a minimum of 50% of the marks assigned to each subject of the written examination and 60% of the marks assigned to each subject of the practical tests, or (*b*) in Commercial subjects a minimum of 50% of the marks assigned to each subject, or (*d*) in Vocal Music or Instrumental Music or Intermediate Home Economics a minimum of 60% of the marks assigned to each subject of the written examination and practical tests.

No student shall be recommended for a certificate or for standing in Art and Crafts or Physical Education or Vocal Music or Instrumental Music or Industrial Arts and Crafts or Home Economics or Commercial Subjects whose attendance or progress in any part of the course has been reported as unsatisfactory.

(2) The Dean shall investigate the claims of the candidates for the Elementary Type A certificate in Physical Education who report themselves as unable for physical reasons to take the course in swimming, provided that such claims are presented to the instructor on a form and after a manner defined by the Minister of Education. Candidates who are exempted by medical certificate from the course in swimming and candidates who have failed to obtain pass standing in the course in swimming may be awarded Elementary Type A Physical Education certificates endorsed "not including swimming".

(3) On the recommendation of the examiners, the Minister of Education may permit candidates in the supplementary courses I-VII who have been awarded Interim High School Assistants' certificates, Type B, and have obtained a minimum of 60% of the marks assigned to practice-

[1]The certificates which are mentioned herein are those valid for teaching in High Schools, i.e., in Physical Education, the Elementary Type A, and the Type A; in Vocal Music and Instrumental Music, the Elementary Type A, and the Type A; in Art and Crafts, the Elementary, Intermediate, and Type A; in Industrial Arts and Crafts, the Elementary Type A; in Home Economics, the Intermediate; and in Commercial Subjects, the Elementary.

[2]See Section 36 for Course VIII.

teaching but have failed to obtain standing in their respective courses to complete their standing in said courses under the following conditions:

(i) In Physical Education or Industrial Arts and Crafts or Home Economics, candidates who fail in the written examination, but pass in all the subjects of the practical tests may complete their standing by passing in the written examination at a subsequent examination without further attendance; candidates who pass in the written examination but fail in one or more of the subjects of the practical tests may complete their standing by passing in the subjects concerned at a subsequent Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(ii) In Art and Crafts or Vocal Music or Instrumental Music, candidates who fail in not more than two subjects of the written and practical tests may complete their standing by passing in the subjects concerned at a subsequent examination without further attendance, but in the subjects of the practical tests such candidates must try the tests conducted at the Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(iii) In the Commercial course, candidates shall be allowed credit towards an Elementary certificate in the subject or subjects in which they are successful.

COURSES FOR THE INTERMEDIATE TYPE A CERTIFICATES IN ART AND CRAFTS AND THE HIGH SCHOOL ASSISTANTS' TYPE A CERTIFICATES IN PHYSICAL EDUCATION, ART AND CRAFTS, VOCAL MUSIC AND INSTRUMENTAL MUSIC[1]

26. (*a*) Students in the High School Assistants' Course, Type B, who have completed the course for the Elementary certificate in Art and Crafts, or students whose progress and efficiency in the Elementary course in Art and Crafts as determined by the tests of the Autumn term, justify such action may, with the approval of the instructor concerned, be admitted to the Intermediate course in Art and Crafts not later than the beginning of the Winter term in January. Admission to the Intermediate course in Art and Crafts shall not be granted, however, to students who are registered in one of the High School Assistants' courses, Type A, listed in Section 18 except in the case of those referred to in (*d*) below.

(*b*) A student who does not hold an Elementary certificate in Art and Crafts and who is admitted to the Intermediate course in Art and Crafts under (*a*) above shall take both the Elementary course and the Intermediate course, and shall not be awarded an Intermediate certificate until or unless he secures an Elementary certificate.

[1]The courses for the Intermediate certificates in Physical Education, Vocal Music and Instrumental Music will be given only in Summer Sessions.

(*c*) Admission to the High School Assistants' course, Type A, in Physical Education as well as the Elementary course in Physical Education will be granted to students (i) who hold the degree of Bachelor of Physical and Health Education of the University of Toronto with a final standing not lower than 60%, or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and who hold the degree of Bachelor of Physical and Health Education of Queen's University with a final standing not lower than 60%, or (iii) who hold the degree of Bachelor of Arts of the University of Western Ontario obtained in the honour course[1] in Physical Health and Recreation Education, with a final standing not lower than 60%.

(*d*) Admission to the High School Assistants' course, Type A, in Art and Crafts as well as the Elementary and Intermediate courses in Art and Crafts will be granted to students who hold the degree of Bachelor of Arts of the University of Toronto obtained in the honour course in Fine Art or in Art and Archaeology with a final standing not lower than 60%.

(*e*) Admission to the High School Assistants' course, Type A, in Vocal Music[2] will be granted to students (i) who hold either the degree of Bachelor of Arts of the University of Toronto obtained in the honour course in Music or the Bachelor of Music degree of the University of Toronto obtained in the course in School Music,[3] with a standing of at least 60 per cent., or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the degree of Bachelor of Music of the University of Toronto obtained in the course in General Music, or (iii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the teacher's or performer's diploma in Singing of the Royal Conservatory of Music of Toronto, or the Special Music certificate of Queen's University, or the Associate Vocal (teacher's) diploma of the Western Ontario Conservatory of Music, or the Diploma of Music Graduate in Pedagogy of the University of Western Ontario.

Admission to the High School Assistants' Course, Type A, in Instrumental Music will be granted to students who hold the Bachelor of Music Degree of the University of Toronto obtained in the course in School Music[3]

27. Students admitted to the High School Assistants' course, Type A, in Physical Education, Art and Crafts, Vocal Music or Instrumental Music under Section 26 (*c*) (*d*) or (*e*) shall not pay an additional tuition fee, but shall supply themselves with such text-books as may be recommended by the instructors from the lists given under the details of those subjects.

28. (1) The subjects of the course for Intermediate certificates in Art and Crafts are to be found in Section 55.

(2) Observation and Practice-teaching is obligatory in this course.

[1]Graduates of this course with the Recreation option are not eligible for the Type A course in Physical and Health Education.

[2]Students of the Type A course in Vocal Music may, with the approval of the instructor, take the Elementary course in Instrumental Music.

[3]This refers to the degree in the course in School Music of the University of Toronto, introduced in 1946.

EXAMINATIONS

29. ART AND CRAFTS:

Practical Tests:

Drawing and Painting, Modelling and Model-making, Industrial and Decorative Design.

Written Examinations:

Theory and History of Art and Crafts, Classroom Methods and Problems.

CERTIFICATES

30. (1) On the recommendation of the examiners the Minister of Education may grant an Intermediate certificate in Art and Crafts to a student in the course for an Interim High School Assistant's certificate, Type B, provided that the said student is awarded an Interim High School Assistant's certificate, Type B, and obtains a minimum of 66% of the marks assigned to practice-teaching and a minimum of 50% of the marks assigned to each subject of the written examinations and 60% of the marks assigned to each subject of the practical tests.

(2) (*a*) On the recommendation of the examiners, the Minister of Education may grant High School Assistants' certificates, Type A, in Physical Education, Art and Crafts, Vocal Music or Instrumental Music to those admitted under Section 26 (*c*), (*d*), or (*e*) who fulfil the conditions stated in Sections 20 and 21 (1).

(*b*) Students who are awarded Interim High School Assistants' certificates, Type A, in Physical Education, Art and Crafts, Vocal Music or Instrumental Music under Section 26 (*c*), (*d*) or (*e*) and who hold, or obtain, Second or First Class certificates may also be awarded Supervisors' certificates valid in Public and Separate Schools.

(3) On the recommendation of the examiners, the Minister of Education may permit candidates in the Intermediate course in Art and Crafts who have been awarded Interim High School Assistants' certificates, Type B, and have obtained a minimum of 66% of the marks assigned to practice-teaching but have failed to obtain standing in the course to complete their standing in said course under the following conditions:

Candidates who fail in not more than two subjects of the written and practical tests may complete their standing by passing in the subjects concerned at a subsequent examination without further attendance, but in the subjects of the practical tests such candidates must try the tests conducted at the Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

COURSE FOR THE FIRST CLASS CERTIFICATE[1]

The course is conducted in accordance with the conditions prescribed in the Regulations, Examinations and Courses of Study of the Ontario Normal Schools. It may not be completed in the regular College session but requires a subsequent Summer Session before the candidates will be recommended for the certificate.

CONDITIONS OF ADMISSION

31. Applicants for admission to the course for the Interim First Class certificate or to the final examinations for said certificate shall comply with the conditions of admission and attendance prescribed for candidates for the Interim High School Assistant's certificate, Type B. No candidate will be awarded an Interim First Class certificate before he has been awarded an Interim High School Assistant's certificate, Type B.

TEXT-BOOKS

32. The text-books for the academic work of the course shall be those prescribed in each subject for the High, Public and Separate Schools.

Books of Reference:

Bartlett: Junior Athletics.
Burton: The Guidance of Learning Activities.
Burwell and Klute: To You the Torch.
Fenwick: Teacher's Manual, Highroad to Music Series.
Gaitskell: Art Education in the Schools of Ontario.
Gibbs: The Teaching of Art in Schools.
Hill: School Music.
McKee: The Teaching of Reading.
MacLeod: Citizenship Training.
Mehl, Mills, Douglass: Teaching in Elementary School.
Myers: Toward Mental Health.
Mustard: By Map and Compass.
Neilson and VanHagen: Physical Education for Elementary Schools.
Partridge: Natural Science, A Seasonal Programme.
Salt and Fox: Teaching Physical Education in the Elementary School.
Saucier: Theory and Practice in the Elementary School.
Simpson: Fundamentals of Educational Psychology.

PROGRAMME OF STUDIES

33. The course of training, which is supplementary to the course of training for the Interim High School Assistant's certificate, Type B,

[1]Course VIII as listed in Section 22.

includes the following subjects some of which will be offered in the regular College session, the remainder in a Summer Session:

Part I: Science of Education; School Management; Speech, Reading, and Literature; Composition, Grammar, and Spelling; Mathematics; Social Studies; Science and Agriculture; Art, Writing, and Music; Health and Physical Education; Manual Training and Home Economics.

In the development of the methodology of the course, emphasis shall be laid upon the correlation and integration of the subjects, and upon the importance of wholesome, vigorous, shared activities, directly connected with the learner's capacities and interests. The teacher's main function shall be represented as the stimulation and guidance of the learner, through the control of the regulating environment of the school; this postulates freedom and responsibility for the teacher and demands positive, definite teaching.

Part II: Observation and Practice-teaching—at least ten full days—to be conducted under conditions defined in Ontario Normal School courses for the Interim First Class certificate.

MODIFICATIONS OF THE COURSE

34. (1) Students who take the Mathematics and/or Science option of the Interim High School Assistants' course, Type B, shall be exempted from Mathematics (except Arithmetic) and/or Science.

(2) Students who hold Provincial professional certificates in Physical Education, Writing, Music, Art, Agriculture, Manual Training, or Home Economics shall be exempted from the examinations thereon but will take the Observation and Practice-teaching therefor.

(3) Candidates who hold Provincial Second Class certificates and who take Latin and a second language as options of the interim High School Assistants' course, Type B, shall be exempted from the instruction and examinations in all subjects of the Interim First Class course except Mathematics, Science and Agriculture, and Health and Physical Education, while those who hold Provincial Second Class certificates and take Mathematics and Science as options shall be exempted from the instruction and examination in all subjects of the Interim First Class course except Agriculture, and Health and Physical Education.

EXAMINATIONS

35. (1) Subject to the condition that no student may be awarded an Interim First Class certificate who does not already hold, or is not also awarded an Interim High School Assistant's certificate, Type B, the final standing of the students in attendance in the course for an Interim First Class certificate shall be determined by the records of the Observation and Practice-teaching and by the combined results of the sessional records and the records of the final examinations in such course. Subject to the same

condition, the final standing of candidates not in attendance shall be determined by the records of the final written examinations and of Practice-teaching.

(2) The examinations in the subjects of the course for an Interim First Class certificate shall be conducted, *pari passu*, in the terms and under the conditions set out in the Normal School Courses for the Interim First Class certificate.

CERTIFICATES

36. (1) (*a*) Subject to the conditions of Section 35 (1), and to the conditions defined in Ontario Normal School courses for the Interim First Class certificate, a candidate who obtains 60% of the marks in each subject of the course and 60% of the aggregate of the marks in each of Observation and Practice-teaching may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim First Class certificate.

(*b*) Subject to the same conditions, a candidate who passes in Observation and Practice-teaching and fails in not more than two subjects shall be exempted from further attendance and may complete his course for an Interim First Class certificate by rewriting at one annual examination the examinations in the subject or subjects in which he failed.

(2) All candidates other than those referred to in (1) (*b*) above who have failed to obtain the necessary final standing will be required to attend such other sessions as the Minister may prescribe.

(3) Section 16 (1) (*a*), (*b*), (2) and (3) (*b*), which apply to the candidates for the Interim High School Assistant's certificate, Type B, who are exempt from attendance, shall apply also, *pari passu*, to candidates for the Interim First Class certificate who are exempt from attendance.

(4) The Regulations of the Department of Education respecting Permanent First Class Certificates are contained in the Department's Circular No. 72. Holders of Interim First Class Certificates obtained after training at the Ontario College of Education are referred to Regulations III (2).

DETAILS OF SUBJECTS

The details of the subjects of the courses for Interim High School Assistants' certificates, Types A and B, for Elementary Certificates in Physical Education, for Elementary and Intermediate certificates in Art and Crafts, for Elementary certificates in Instrumental Music and Vocal Music, for Intermediate certificates in Home Economics, and for standing in Elementary Industrial Arts and Crafts, are set out below.

For the course for the First Class certificate these details and subjects shall be supplemented by the details and subjects set out in the Normal School courses for the First Class certificate.

INTRODUCTION TO EDUCATION

37. (i) Instruction regarding types of lessons, preparation of lesson plans, etc., preliminary to Observation and Practice-teaching in schools. Demonstration lessons followed by discussions of the principles involved will be arranged throughout the Autumn term.

(ii) The school and society: purposes and aims of education, relationship of the school to the home and community and to other educational agencies, major problems of secondary education, survey of the chief contributions of outstanding philosopher-educationists since 1800; current school of educational thought, library practice. Teacher appraisal. Audio-visual aids. Guidance and counselling.

Books of Reference:

Brameld: Ends and Means in Education—A Mid-Century Appraisal.
Canadian Education Association: Report of the Survey Committee.
Trends in Education, 1944.
Canadian Youth Commission: Youth Challenges the Educators.
Kirkendall, Luenzli and Reeves: Goals for American Education.
Livingstone: On Education.
Ulich: Three Thousand Years of Educational Wisdom.
Wahlquist: The Philosophy of American Education.

EDUCATIONAL PSYCHOLOGY

38. (i) The psychology of adolescence.
(ii) The psychology of adjustment.
(iii) The mental health of the pupil and teacher.
(iv) The psychology of learning.
(v) Intelligence: individual differences.

Books of Reference:

Burton: The Guidance of Learning Activities.
Cole: The Psychology of Adolescence.
Garrison: Psychology of Adolescence (4th Ed'n).
Gates, Jersild, McConnell and Challman: Educational Psychology.
Griffin, Laycock and Line: Mental Hygiene.
Hilgard: Theories of Learning.
Rivlin: Educating for Adjustment.

SCHOOL MANAGEMENT AND LAW

39. School Management, School Organization, School Administration; aims and scope of each; relation of each to the teaching process.

The Ontario school system: Department of Education, and its organization and functions; local administrative units; school boards, their selection, organization and functions; types of schools; school finance and business administration; relation to other public services.

The High School plant: provision, maintenance, care and use; special accommodations; relation to community activities.

The High School curriculum: aim, structure and use; texts; extra-curricular activities.

The High School pupil: attendance, rights, duties, guidance.

The High School teacher: professional status; personal qualifications; training and certification; appointment, tenure, payment, superannuation; duties in relation to trustees, parents and other citizens; duties in relation to supervisors, colleagues and pupils; freedom and responsibility.

High School organization: admission, exclusion, classification, grading, promotion, tests of progress, records and reports, recommendations, staff-meetings, time-tables, supervised study, homework.

Supervision: inspectors, principals, heads of departments; their powers and duties.

Discipline: aim and scope; relation to methods of teaching; incentives; causes of disorder and inattention; methods of dealing with weaknesses and delinquencies.

School Law and Regulations: Public Health Acts and Regulations in so far as they refer to the duties of school boards, teachers and pupils.

Books of Reference:

Regulations and Courses of Study for the Public, High and Continuation Schools of Ontario.
Ontario School Acts and Public Health Act.
Althouse: Structure and Aims of Canadian Education.
Bagley: Classroom Management; School Discipline.
Barr, Burton and Brueckner: Supervision.
Briggs: Secondary Education.
Cameron: The Financing of Education in Ontario.
Cameron and Lewis: The Administration of Education in Ontario.
Carpenter and Rufi: The Teacher and Secondary School Administration.
Cubberley: The Principal and his School.
Douglass and Boardman: Supervision in Secondary Schools.
Espy: The Public Secondary School.
Gower: Plain Words.
Johnston: High School Education.
Koos, *et al.*: Administering the Secondary School.
Maxwell and Kilzer: High School Administration.
Great Britain Ministry of Education, Pamphlet No. 17, Challenge and Response.
Simon: Preface to Teaching.
Uhl: Principles of Secondary Education.
Wrinkle: Secondary Education.

ENGLISH

40. (1) *Literature.*—The place of literature in school courses; the principles followed in Ontario and elsewhere in arranging literature courses

for schools; books suitable for intensive and extensive study in the various forms or grades of the school; class treatment of such types of literature as the short poem, the long narrative poem, the play, the essay, the short story, and the novel; examinations in literature; supplementary reading, its importance, selection of books, testing of reading.

The course in literature includes a consideration of the problems connected with the teaching of silent and expressive reading.

(2) *Composition.*—The aim in teaching composition; principles to be followed in arranging a course; the place of grammar and of rhetoric in the High School course; the use of models; choice and variety in subjects; assigning, valuing and correcting compositions; special problems of oral composition.

Books of Reference:

Ballard: Teaching the Mother Tongue.
Ballard: Thought and Language.
Bradby: About English Poetry.
Bradby: About Shakespeare and His Plays.
Brophy: English Prose.
Diltz: Poetic Pilgrimage.
Diltz: Pierian Spring.
Haddow: On the Teaching of Poetry.
Pocock: Pen and Ink.
Webster and Smith: Teaching English in the Junior High School.

SEMINAR IN ENGLISH

For Type A candidates in English and, in part, English and French, and English and Latin.

41. A consideration of the following phases of the teaching of English: (*a*) courses of study, (*b*) presentation of difficult topics, (*c*) special methods of teaching.

Books of Reference:

Abercrombie: Poetry—Its Music and Meaning.
Ballard: Teaching The Mother Tongue.
Ballard: Thought and Language.
Diltz: Poetic Pilgrimage.
Diltz: Pierian Spring.
Gurrey: The Appreciation of Poetry.
Hixson and Colodny: Word Ways.
Newbolt: The Teaching of English in England, Ch. 1, 4, 5, 9.
Raleigh: Style.
Society for Pure English: Tracts 4, 6, 10, 11, 12, 15, 16, 18, 24, 36, 39, 46.
Thouless: Straight and Crooked Thinking.
Watts: The Language and Mental Development of Children.
Weekley: Something About Words.

SOCIAL STUDIES: GEOGRAPHY AND HISTORY

42. The values of these subjects in the educational programme; the High School courses of study; examination of various possible procedures in teaching; special problems in geography and in history; special matters (map work, local observations, community histories, current events, citizenship); methods of testing and grading; books and other equipment for teaching.

Books of Reference:

Barnard: Principles and Practice of Geography Teaching.
Bining: Teaching the Social Studies in Secondary Schools.
Bowman: Geography in Relation to the Social Studies.
Fairgrieve: Geography in School.
Klapper: The Teaching of History.
Memorandum on the Teaching of Geography.
Schutte: Teaching the Social Studies on the Secondary School Level.
Stormzand and Lewis: New Methods in the Social Studies.
Wesley: Teaching the Social Studies.
The School—bound volumes.
The Social Studies—bound volumes and current issues.
Yearbooks—National Council for the Social Studies.

SEMINARS IN GEOGRAPHY AND IN HISTORY.

43. (1) For Type A Candidates in Geography.

A study of such geographical matters as types of climate, local surveys; the presentation of selected topics; consideration of suitable equipment for teaching geography; an assessment of the place of geography in the curriculum.

(2) For Type A Candidates in History.

A more intensive study of principles and practices in the teaching of history; the organization of specific teaching units in successive grades; the discussion of topics of related interest, designed to broaden professional perspective.

MATHEMATICS

44. *General Mathematics.*—The content and methodology of the prescribed courses for Grades IX and X, including commercial arithmetic and mensuration.

Algebra and Geometry.—The content and methodology of the Middle School courses prescribed in the "Courses of Study and Examinations of the High Schools, Collegiate Institutes and Continuation Schools."

Books of Reference:

Breslich: The Teaching of Secondary School Mathematics.
Brueckner and Grossnickle: How to Make Mathematics Meaningful.
Durrell: The Teaching of Elementary Algebra.
Godfrey and Siddons: The Teaching of Elementary Mathematics.
Lennes: The Teaching of Arithmetic.
Mills: The Teaching of Modern Arithmetic.

Minnich: The Teaching of Mathematics in Secondary Schools.
National Council of Teachers of Mathematics: 5th, 7th, 10th and 17th Year-books.
Roantree and Taylor: An Arithmetic for Teachers.
Schultze: The Teaching of Mathematics in Secondary Schools.
Smith and Reeve: The Teaching of Junior High School Mathematics.
Sumner: The Teaching of Arithmetic and Elementary Mathematics.
Taylor: Arithmetic for Teacher Training Classes.
Young: The Teaching of Mathematics.
Articles in "The Mathematics Teacher."

SEMINAR IN MATHEMATICS

(For Type A Candidates in Mathematics and, in part, Mathematics and Physics.)

45. The seminar in mathematics will discuss methods in trigonometry and statics and the more advanced parts of Algebra and geometry; the order of presenting the parts of these subjects so as to secure the most logical and impressive relation among the parts; the relations of the subjects themselves; the place of the teacher in dealing with more mature minds; the history and development of such special topics as the algebraic equation, the vulgar and decimal fraction, loci, maxima and minima, the harder theorems on the conic sections; examinations in mathematics, their purpose, when they should be held, the character of the paper, methods of marking, making the classroom attractive with pictures and mathematical equipment, mathematical books to interest pupils and teachers, etc.

Books of Reference:

Bell: Development of Mathematics.
Bell: Men of Mathematics.
Boyer: An Introduction to Mathematics for Teachers.
Butler and Wren: The Teaching of Secondary Mathematics.
Cajori: A History of Mathematics.
Fink: A Brief History of Mathematics.
Lieber: The Education of T.C.Mits.
Merriman: To Discover Mathematics.
Moore & Mira: The Gist of Mathematics.
National Council of Teachers of Mathematics Year-books.
Nunn: The Teaching of Algebra, including Trigonometry.
Whitehead: An Introduction to Mathematics.
Schultze: The Teaching of Mathematics in Secondary Schools.
Young: The Teaching of Mathematics.
Articles in "School Science and Mathematics," and "The Mathematics Teacher."

SCIENCE

46. The following are the main topics of the course:

A. Scope and value of the natural sciences; meaning of science and

scientific method; educational value of science; inductive and deductive methods of investigation.

Experimental work; how conducted, how recorded; manipulation of apparatus; making of simple apparatus; classroom discussion, its purpose, method, and relation to the experimental work; the use of text-books; note-books, method of inspection, drawing; reference books, most suitable books in each subject for the library; supplementary reading; methods in general science in Grades IX and X, illustrated in lessons upon subjects difficult of presentation.

B. Laboratory equipment for the teaching of general science, and of physics, chemistry, and biology; methods of demonstration; use of technical terms; theories, facts, scientific laws; text-books and reference books.

Chemistry: Order of treatment; introductory work. Methods of conducting instruction in chemistry will be discussed, and illustrated in lessons upon subjects selected from such topics as the following: chemical laws and theories; valency; formulae and equations; nomenclature; qualitative and quantitative experiments; chemical arithmetic; the elements, with sodium and chlorine as types; chemical equilibrium; ionization in solution; structure of atom.

Physics: Methods of conducting instruction in the more difficult parts of the courses in heat, light, sound, magnetism, electricity, and mechanics will be discussed and illustrated in lessons upon subjects selected from such topics as the following: specific gravity, properties of liquids and gases, machines, friction, temperature, specific heat, laws of reflection, images in mirrors and lenses, laws of vibrating strings with problems, interference of sounds, lines of magnetic force, relation between static and current electricity, practical applications of electricity, mechanics.

Biology: Dissection; experiments with plants; the microscope; aquaria and terraria; school museums; plant and animal ecology. Methods of conducting instruction in biology will be discussed and illustrated in lessons upon subjects selected from such topics as the following: relation of structure to function, animal and plant types such as the grasshopper, frog, hepatica, fern. This discussion will assume a practical acquaintance on the part of the student with the common plants and animals of Ontario.

The course will stress laboratory practice in each subject.

Books of Reference:

Brownell and Wade: The Teaching of Science and the Science Teacher.
Heiss, Obourn and Hoffman: Modern Science Teaching.
Hoff: Science Teaching.
Hunter: Science Teaching.
Lloyd and Bigelow: The Teaching of Biology.
Miller and Blaydes: Methods and Materials for Teaching Biological Sciences.
Newbury: The Teaching of Chemistry.
Phillips and Cox: The Teaching of Biology.

Poulton: The Teaching of Biology.
Smith and Hall: The Teaching of Chemistry and Physics.
Sumner: The Teaching of Science.
Twiss: Principles of Science Teaching.
High School Manual: Suggestions for Teachers of Science.

SEMINAR IN SCIENCE

(For Type A Candidates in Science and, in part, Mathematics and Physics)

47. Manipulation: Practice with apparatus used in High School demonstrations; preparation of illustrative charts; the projection lantern; film projection; care of aquaria and vivaria; growth of plants for experiments in vegetable physiology; collection and preservation of botanical and zoological material for Upper School work.

Equipment: Laboratory accommodation; arrangement of laboratories; lighting and ventilation; arrangement and structure of benches and other furniture; care and purchase of apparatus; chemicals and minerals, most suitable kinds, method of preparation and storage; reference works and periodicals in science for the High School library.

Methods of treating topics in physics, chemistry and biology of Grade XIII.

Books of Reference:

Curtis: A Digest of Investigations in the Teaching of Science.
Hoff: Science Teaching.
Green: Zoological Technique for Teachers and Senior Students.
Mann: The Teaching of Physics.
Miller and Blaydes: Methods and Materials for Teaching Biological Science.
Newbury: The Teaching of Chemistry.
Ontario Department of Education: Laboratory Equipment.
Phillips and Cox: The Teaching of Biology.
Twiss: Principles of Science Teaching.
Westaway: Science Teaching.

SEMINAR IN AGRICULTURE

(For Type A Candidates in Agriculture)[1]

48. The History of agricultural education in the United States and Canada and particularly in Ontario; developments prior to 1904; developments since 1904; the influence of Departmental regulations, the Ontario Agricultural College, Summer Courses and various organizations in the development of agricultural education; the present regulations of the Department of Education and their relation to the teaching of Agriculture in the elementary and secondary schools and normal schools; qualifications

[1]Candidates for the High School Assistant's certificate, Type A, in Agriculture shall take also the Science of the course for the High School Assistant's certificate, Type B.

of teachers; relations of school boards and teachers; provisions for inspection and reports; elective courses, and vocational agricultural courses in secondary schools.

Equipment and methods; special equipment needed for agricultural topics; arrangement of laboratory and classroom; storage and care of apparatus; preparation of illustrative material and charts; the projection lantern; the moving picture machine; agricultural periodicals, reference books and other sources of information; the school garden, planning and care; beautification of school grounds; home projects and collections; planning of courses; types of lessons; use of illustrative material; correlation of the science subjects in courses in agriculture.

Books of Reference:

Andrews: Agriculture for High Schools.
DeLaMare: Garden Guide.
Eckles, Combs, Macy: Milk and Milk Products.
Heald: Manual of Plant Diseases.
Hughes and Henson: Crop Production.
Lippincott and Card: Poultry Production.
MacEwan: The Breeds of Farm Live Stock.
Madill: History of Agricultural Education in Ontario.
Phillips: Beekeeping.
Russell and Hastings: Agricultural Bacteriology.
Stevens: Garden Flowers in Color.
Bulletins and Regulations of the Dominion and Ontario Departments of Agriculture.
Reports and Regulations of the Ontario Department of Education.

CLASSICS (LATIN AND GREEK)

49. The relation of method in teaching Latin or Greek to linguistic method in general; the effect of the object of teaching Latin or Greek upon the method in various departments, such as oral reading, grammar, translation, sight reading, and the literary or historical content; illustration of methods in typical lessons.

Pronunciation; oral reading, sight reading, and English translation as prescribed for the Lower and Middle Schools; general principles of word-structure and sentence-structure; word order; methods of teaching the parts of a lesson; topics of inflection and syntax as found in the Latin and Greek Books; special emphasis on difficult topics.

The course will stress oral practice in Latin.

Books of Reference:

Hamilton and Carlisle: Latin for Secondary Schools.
Gray: Latin for Today.
Taylor and Prentice: Living Latin.
Arnold: On Translating Homer.
Bennett and Bristol: Teaching of Latin and Greek.
Game: The Teaching of High School Latin.

Goodwin and Gulick: Greek Grammar.
Lane: Latin Grammar.
Valentine: Latin, its Place in Education.
Westaway: Quantity and Accent in the Pronunciation of Latin.
White: The Teaching of Latin.
The American Classical Investigation: Report, Parts 1 and 2.

SEMINAR IN CLASSICS

(For Type A Candidates in Classics, Latin and Greek, and, in part, Latin and French, and English and Latin)

50. In the seminar in Classics, the topics treated will be those which are germane to the teaching of the Latin and Greek authors and prose prescribed for study in the Upper School during the current year. These will include:

A study of adequate translation of the works of Latin and Greek authors.

Appreciation of the art of Horace, Virgil, Catullus, and Homer.

The Philosophy of Horace.

The legacy of Greece and Rome.

The teaching of the following metres: Hexameter, Elegiac, Sapphic, Alcaic.

The different types of poetry represented in the prescribed authors and the debt of English writers to classical originals.

The teaching of Latin continuous prose composition.

The morphology and syntax of Attic Greek together with a general treatment of the principles of Greek accent.

FRENCH, GERMAN, SPANISH OR ITALIAN

51. Pronunciation: Study of sounds and their spelling; phonetic symbols; devices for teaching; intonation exercises; dictation; singing.

Course of Studies in Grades IX and X: Introductory lessons, including conversational work for beginners; reading for comprehension; vocabulary building; conversation based on reading; paraphrasing; dictation; functional grammar, stressing the verb and pronoun.

Course of Studies in Grades XI and XII: Methods of conducting reading; increased emphasis placed on writing; grammar; translation from English into the foreign language; supplementary reading; testing.

Illustration of methods in typical lessons.

The course will stress oral practice in the foreign language.

Books of Reference:

de Sauzé: The Cleveland Plan for the Teaching of Modern Languages.
Jack: French Pronunciation and Diction.
Jespersen: How to Teach a Foreign Language.
Vietor: German Pronunciation.

SEMINAR IN MODERN LANGUAGES

(For Type A Candidates in French and German *or* Spanish *or* Italian, and, in part, Latin and French, English and French)

52. In the seminar in Modern Languages, stress will be laid upon methods of presenting the work to be studied in Grade XIII during the current year.

Topics treated will include: Teaching of advanced grammar and prose composition; correction of written work; conducting of reading lessons; sight reading; supplementary reading; free composition; conversation; making of examinations; use of dictionaries and books of reference.

Books of Reference:

Der Sprach-Brockhaus.
Duden: Stilwörterbuch.
Larousse: Nouveau Petit Larousse Illustré.
Larousse: Pequeño Larousse Ilustrado.
Schulz und Sundermeyer: Deutsche Sprachlehre für Ausländer.

SEMINAR IN HOME ECONOMICS

(For Type A Candidates)

53. Introductory: The development of Home Economics, including a brief study of present day tendencies; its value and aims.

Methods: A study of courses for public, high and vocational schools; a discussion of various types of organization; methods of teaching; illustration of methods in typical lessons; a study of the methods of class-room procedure and problems arising therefrom; allotment of time for different phases of the subject; textbooks; note books; preparation, use and care of illustrative material; examinations.

Class Organization: Departmental regulations; size of class; records.

Equipment: Types of equipment; cost, arrangement and inventory of equipment.

Books of Reference:

Regulations and Courses of Study for the Public and High Schools of Ontario.
Texts as recommended in the Courses of Study in Home Economics for High and Continuation Schools, Collegiate Institutes and Vocational Schools.
Brown: Evaluation and Investigation in Home Economics.
Brown and Haley: The Teaching of Home Economics.
Federal Security Agency, Office of Education, Division of Vocational Education, Washington, D.C.: Space and Equipment for Homemaking Programs.
Hatcher and Andrews: The Teaching of Homemaking.
Pollard: Adult Education for Homemaking.

Spafford: Fundamentals in Teaching Home Economics.
William and Lyle: Homemaking Education in the High Schools.

PHYSICAL EDUCATION

54. This course is outlined in the Courses of Study for Grades IX-XIII issued by the Ontario Department of Education.

COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Theory, Methods and Materials (for men and women).
Practice (for men):

(*a*) Basic Drill.
(*b*) Gymnastics.
(*c*) Apparatus.
(*d*) Games.
(*e*) Swimming.

Practice (for women):

(*a*) Gymnastics.
(*b*) Games.
(*c*) Rhythmics.

SEMINAR IN PHYSICAL EDUCATION

(For High School Assistants', Type A Candidates)

1. Organization and administration, including the following:
   (*a*) aims, objectives and policies,
   (*b*) selection and grading of teaching material,
   (*c*) marking and testing,
   (*d*) planning the curricular and extracurricular programmes.
2. Methods and survey of material (Women):
   (*a*) Physical Education—gymnastics, games, rhythmics, swimming,
   (*b*) Health Education—anatomy, physiology, body mechanics, first aid, healthful living, child study.
3. Methods and survey of material (Men):
   (*a*) Physical Education—basic drill, gymnastics, apparatus, games, swimming,
   (*b*) Health Education—anatomy and physiology, first aid, safety education, healthful living.

Books of Reference:

Texts as recommended in the Courses of Study in Physical and Health Education and Cadet Training of the Ontario Department of Education.

Physical Education:

Bowen and McKenzie: Applied Anatomy and Kinesiology.
Bukh: Primary Gymnastics Fifth Edition, 1939.
Bundy: Anatomy and Physiology.
Cassidy: New Directions for the Adolescent Girl.
Cates: Primary Anatomy.
Conrad and Meister: Teaching Procedures in Health Education.
Kahn: Man in Structure and Function.
Kozman, Cassidy, Jackson: Methods in Physical Education.
LaPorte and Renner: The Tumbler's Manual.
Lee: The Conduct of Physical Education.
McKenzie: Exercise in Education and Medicine.
Macherey and Richards: Pyramids Illustrated.
Mitchell: Intramural Athletics.
Mulliner and McKenzie: Elementary Anatomy and Physiology.
Nash: Teachable Moments in Health Education.
National Recreation Association: New Play Areas—Their Design and Equipment.
National Recreation Association: Introduction to Community Recreation.
Sharman: Introduction to Physical Education.
Sharman: Teaching of Physical Education.
Staley: Games, Contests and Relays.
West: The Gymnast's Manual.
Articles in "The Athletic Journal," "The Journal of Health and Physical Education," and "Journal of Physical Education and School Hygiene."

ART AND CRAFTS

55. COURSE FOR THE ELEMENTARY CERTIFICATE

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering, Theory and History of Art and Crafts, Methods of Teaching Art and Crafts.

COURSE FOR THE INTERMEDIATE CERTIFICATE

Drawing and Painting, Modelling and Model-making, Industrial and Decorative Design, Theory and History of Art and Crafts, Classroom Methods and Problems.

Books of Reference:

Ackley: Marionettes.
Arthur: Early Buildings of Ontario.
Cheney: A World History of Art.
Cheney: Expressionism in Art.
Doten and Boulard: Fashion Drawing.

Dougherty: Pottery Made Easy.
Dow: Composition.
Eccott: Teaching Creative Art in Schools.
Faulkner, Ziegfeld and Hill: Art To-day.
Fletcher: A History of Architecture.
Gardner: Art through the Ages.
Gibbs: The Teaching of Art.
Glazier: A Manual of Historic Ornament.
Hartley and Elliot: Life and Work of the People of England—Vols. I-VI.
Johnstone: Child Art to Man Art.
Lemos: Creative Arts and Crafts.
McLeish: Beginnings; Teaching Art to Children.
Maas: Common Sense in Home Decoration.
Munsell: Colour Notation.
Progressive Education Association: Creative Expression.
Quennell: History of Everyday Things in England—Vols. I-II.
Read: Art and Industry.
Read: Education Through Art.
Robb and Garrison: Art of the Western World.
Tomlinson: Picture Making by Children.
Viola: Child Art.
Articles in "Art and Craft Education"; "Decoration"; "School Arts Magazine"; "Design."

SEMINAR IN ART AND CRAFTS

(For High School Assistants', Type A Candidates)

The seminar in Art and Crafts will discuss classroom methods and problems relating to the advanced grades. Special emphasis will be given to (*a*) the securing, organizing and use of illustrative source material, such as slides, prints and exhibitions which can be used to interpret and intensify the study of art history and art criticism; (*b*) a more advanced study of the theory, history and practice of art and crafts.

Books of Reference:

Gardner: Art Through the Ages.
Faulkner, Ziegfeld and Hill: Art To-day.
Giedion: Space, Time and Architecture.
Stites: The Arts and Man.
Teague: Design This Day.

VOCAL MUSIC

56. COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory prescribed for Grades IX and X; singing of major and minor scales (all

forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Books of Reference:

Bell: The Chorister, Book I, and Book II.

Voice Training and Song Material:

The adolescent voice; choral singing; practice in tone production, intonation, diction, and breath control; blending of voices in part singing; interpretation; analysis of song material for Grades IX and X.

Books of Reference:

Foresman, Dann and Fenwick: The Highroad of Song, Book III.
Hill: The Singing Period, Book VII.
Mursell: Human Values in Music Education.
Silver Burdett Co.: Music, the Universal Language.
Staton: Sweet Singing in the Choir.
The Silver Book of Songs.
Wilson, Christy and Bell: The Modern Choral Hour.
Wright: Youthful Voices, Book I and Book II.

Conducting:

The conducting patterns of common metres; special problems: attack and release, incomplete bars, expression, use of the left hand.

Books of Reference:

Stoessel: The Technique of the Baton.

Rudiments of Music:

Notation (notes, rests, clefs); intervals and their inversion; metre and rhythm; scales (diatonic and chromatic); transposition; musical terms, abbreviations and ornaments.

NOTE: Students are advised to study in advance one of the following texts:

Ahrens: Rudiments of Music.
Bell: The Chorister, Books I and II.
Dunstan: The A B C of Musical Theory.
Horwood: The Basis of Music.

Music Appreciation:

Teaching of the topics prescribed for Grades IX and X; the human voice, musical instruments, elementary form, nationalism, music aesthetics; study of selected compositions through recordings; organization of a course in music appreciation; choice and care of equipment.

NOTE: Students are advised to study in advance one or more of the following texts:

Bacharach: The Musical Companion.
Bernstein: An Introduction to Music.
Faulkner: What We Hear in Music.
Scholes: The Oxford Companion to Music.

Skolsky: Evenings with Music.
Staples: Exploring the World of Music. Book I and Book II.

Methods:

General principles of music education; analysis of the course for Grades IX and X; voice testing; teaching of rote songs, reading songs, part songs and theory; use of the piano; integration of music with other subjects; the relation of the school orchestra to the vocal programme; elementary scoring and transposition for instruments.

Books of Reference:

Maddy and Giddings: Instrumental Technique for Orchestra and Band.
Newton and Young: The Book of the School Orchestra.

INSTRUMENTAL MUSIC

COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory prescribed for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Books of Reference:

Bell: The Chorister, Book I and Book II.

Technical Training:

Fundamentals of tone production and basic fingering in all families of instruments; playing scales, diatonic and chromatic; simple melodies; reading orchestral scores of elementary range; construction and care of all types of instruments.

Conducting:

The conducting patterns of common metres; special problems of conducting in instrumental groups.

Methods:

General principles of organization and instruction of instrumental classes; special methods of class teaching for strings, band classes, or combined groups.

Books of Reference:

Belwin: Elementary Band Method.
Belwin: Intermediate Band Method.
Belwin: Bow and Strings.
Boosey and Hawkes: Instrumental Course.
Boosey and Hawkes: Band Method.
Bornoff's Finger Patterns.
Fischer: Strings from the Start.
Merle Isaac: String Class Method.

NOTE: This is a practical course, with the emphasis laid on two essential points, (i) individual mastery of instruments;
(ii) methods of class teaching.

SEMINAR IN VOCAL MUSIC

(For High School Assistants' Type A Candidates)

Sight Singing and Ear Training:

Sight reading of songs based on the theory prescribed for grade XIII; extraneous modulation; singing of major scales from any note in the scale to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords listed below for harmony; detection of errors in the performance of more advanced part songs.

Books of Reference:

Bell: The Chorister, Book II.

Voice Training and Song Material:

Advanced study of topics listed in the Elementary Type A Course through choral works; unaccompanied singing; modern theories of voice training; the teaching of special classes in voice training; selection of song, choral and operatic material for grade XIII classes, public performances and festivals.

Books of Reference:

Coward: Choral Music and Interpretation.
Pitts: Voice Class Method.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Operetta:

The detailed study and preparation of an operetta for public performance.

Music Appreciation:

Teaching of the topics prescribed for grade XIII; advanced form, music biography and history, the analysis of selected compositions with special attention to the prescribed works for grade XIII; use of miniature scores; supplemental reading; evaluation of recordings for school use; use of radio in music appreciation.

Books of Reference:

Bacharach: Lives of the Great Composers.
Burrows and Redmond: Symphony Themes.

Scholes: The Oxford Companion to Music.
The Victor Book of the Symphony.

Methods:

Modern theories of music education; musical talent and its measurement; the specially gifted pupil; the relation of Secondary School music to music in the Elementary School and to the work of the private teacher; administration; music festivals and adjudication; practice in individual tutorial work; the piano accompaniment of school singing; analysis of the prescribed course for Grade XIII.

Books of Reference:

Dykema and Gherkins: Music Education for High Schools.
Fenwick: High Road Music Series—Teacher's Manual.
Mursell and Glenn: The Psychology of School Music Teaching.

SEMINAR IN INSTRUMENTAL MUSIC

(For High School Assistants', Type A Candidates)

Sight Singing and Ear Training:

Sight reading of songs based on the theory prescribed for Grade XIII; extraneous modulation; singing of major scales from any note in the scale to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords for harmony; detection of errors in the performance of more advanced part songs.

Books of Reference:

Bell: The Chorister, Book II.

The Orchestra and Band:

Orchestral playing, organization and conducting; selection of music for Grades IX to XIII class study, for orchestras and bands of High School calibre, and for public performance and festivals.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Arranging:

Transcription and arranging of selections from piano score for full orchestra or band; transposition for all instruments.

Methods:

Advanced study of topics listed in the Elementary Type A course.

Class instruction of instrumental classes, beginners and advanced classes, with all types of instruments.

57. COURSE FOR THE ELEMENTARY COMMERCIAL CERTIFICATE

(1) Shorthand Theory:

The principles of the Isaac Pitman system; writing continuous matter in approved shorthand forms; transcribing sight passages in continuous shorthand.

(2) Shorthand Practice and Transcription:

Writing from dictation for ten minutes, in approved Pitman Shorthand, easy material at the rate of sixty words per minute; transcribing of these notes on a typewriter with blanked keyboard; ten minutes to be allowed for revision of notes, and forty minutes for transcription.

(3) Typewriting:

(*a*) Typing for ten minutes on a typewriter with blanked keyboard at a net rate of thirty words per minute with 1% error or less. (The basis for estimating the number of words shall be five strokes per word.)

(*b*) Application of typewriting to simple problems in setting up business letters, headings, programmes, invitations, announcements, display work, tabular work.

(4) Bookkeeping:

The study of the various aspects of the fundamental equation, including journalizing, posting and the setting up of the financial statements in trading and non-trading organizations.

(5) Penmanship:

Posture, penholding, position of the paper, movement, development of speed, classification of small and capital letters according to similarity of basic principles. Graceful, legible business writing; ledger headings; figures; accounts; marking alphabet; writing on the blackboard.

(6) Methods—Minor:

(*a*) Methods of teaching Business Practice and Bookkeeping: instructional material; testing programme; presenting special topics; text-books; outlining courses; grading papers.

(*b*) Methods of teaching junior Shorthand and Typewriting.

(i) First year in Shorthand: organization of classes and materials; content of course; analysis of text-book; division of time for various sections of the work; various methods of approach; shorthand penmanship; reading of shorthand; how and when to test; the place of theory in junior classes; how and when to introduce transcription.

(ii) First two years in Typewriting: typing room, equipment and supplies; class organization; teacher's preparation; application of general principles to the teaching of typing technique; analysis and prevention of errors; speed development; tests and how to mark them; the second year course; written reports on actual lessons.

Books of Reference:

As recommended in the Courses of Study for Grades IX-XII in Collegiate Institutes, High, Vocational and Continuation Schools.

Blackstone and Smith: Improvement of Instruction in Typing.
Clem: Technique of Teaching Typewriting.
Davis: A Study of Shorthand Teaching.
Dvorak: Typewriting Behaviour.
Gregg: Psychology Applied to Skill Building.
Haynes: Tests and Measurements in Business Education.
Lamb: Your First Year of Teaching Typewriting.
Leslie: Teaching of Gregg Shorthand by the Functional Method.
Lessenberry: College Typewriting. — ordered
Lomax: Problems of Teaching Shorthand.
Lomax and Agnew: Problems of Teaching Bookkeeping.
Lomax and Reynolds: Problems of Teaching Typewriting.
Newman: Pitmans Teacher's Manual.
Odell and Stuart: Principles and Techniques for Directing the Learning of Typewriting (2nd Edition).
Osborne: Correlated Dictation. ordered
Risk: Principles and Practices of Teaching.
Selby: Teaching of Bookkeeping.
Smith: Gregg Typing—Teacher's Handbook.
Taylor: Commentary on Pitman Shorthand.
Articles in various year-books.

58. COURSE FOR THE ELEMENTARY INDUSTRIAL ARTS AND CRAFTS CERTIFICATE, TYPE A

Draughting: Orthographic projection problems; isometric drawing of rectangular, circular and cylindrical figures; sketching oblique views, geometric drawing; tracing and blue printing.

Woodworking: Nature, structure and characteristics of common woods; the selection and suitability of woods for various purposes; seasoning, defects and grading lumber; cutting out operations, planing, squaring, chiselling and paring; uses of various fastening materials; construction of common joints; various methods of wood finishing and care of brushes; use and care of band saw, variety saw, jig saw and jointer; the wood turning lathe, with elementary turning of single spindle and face plate work; sharpening and care of woodworking tools.

Sheet Metal Work: Laying out patterns, cutting, bending, soldering and rivetting of tin plate and galvanized iron; etching, hammering, planishing and polishing of brass and copper.

Machine Shop Practice: Hand tools and bench work; layout work and elementary machine operations.

Methods of instruction and class organization of the General Shop.

Books of Reference:

As recommended in the Courses of Study for High or Continuation Schools, Collegiate Institutes and Vocational Schools (Grade IX).

Ashcroft and Easton: General Shop Work.
Clancey: Sheet Metal Work.
Evans, Parks and Slatterie: Hand Woodworking.
Wilber: Industrial Arts in General Education.
Wishart: Woodwork Practice and Theory.
The Home Workshop. (Odhams Press Ltd.)
Working with Plexiglas. (Rohm and Haas Co.).

59. COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

An analysis of the Course of Study, Grades IX and X, Home Economics of the General and Commercial Courses.

Fundamental principles, practices, and standards in home and family living.

Problems of organization; methods of teaching; aids to learning; home and classroom equipment. Departmental regulations. Guidance in classroom teaching.

Books of Reference:

Reference Books for the Course in Home Economics, Grades IX and X.
Brown and Haley: The Teaching of Home Economics.
Hatcher and Andrews: The Teaching of Homemaking.
Spafford: Fundamentals in Teaching Home Economics.
Williamson and Lyle: Homemaking Education in the High Schools.
Federal Security Agency, Office of Education, Division of Vocational Education, Washington, D.C.: Space and Equipment for Homemaking Programs.

60. DICTION AND VOICE PRODUCTION

General lectures on diction and voice production.
Corrective work and exercises.

Books of Reference:

Anderson: Training the Speaking Voice.
Bennett: Practical Speech-Training.
De Banke: Art of Choral Speaking.
Gullan: Choral Speaking.
Gullan: Speech Training in the School.
Henderson: Good Speaking.

Parrish: The Teacher's Speech.
Storey: The Way to Good Speech.
Von Hesse: So to Speak.

ONE-YEAR COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

CONDITIONS OF ADMISSION

61. (1) A candidate for admission to the course for the Interim Intermediate certificate in Home Economics should make application, not later than August 31st, on a form to be obtained from the Secretary of the Ontario College of Education and should submit with this application:

(*a*) A certificate from a competent authority that she is a British subject.

(*b*) A certificate from a clergyman or other competent authority that she is of good moral character.

(*c*) A certificate of successful vaccination. Every candidate for admission must submit a certificate of successful vaccination with her application.

(*d*) A statement signed by herself to the effect that she intends, when opportunity offers, to teach the subject of Home Economics.

(*e*) One of the following:

A Permanent Second Class certificate obtained under the regulations in force subsequent to September, 1927; an Interim or Permanent First Class certificate; a High School Assistant's certificate; an Ordinary Vocational or a Specialist Vocational certificate.

(2) Candidates who fulfil the foregoing conditions of admission and who hold Elementary Certificates in Home Economics, Type A, B, or C will be exempted from attendance during the Autumn term.[1]

COURSE OF STUDY

62. The Course of Study for the Intermediate certificate in Home Economics includes the following, with specific reference to the course in Home Economics prescribed for Grades VII, VIII, IX, and X:

PART I

FOODS

Economics.—Marketing; points to be considered in selection; factors determining cost; saving of materials, fuel, and labour in preparation; care in the home; utilization of left-overs.

[1]Application for admission to the College at the beginning of the second term in January should be made not later than December 1st. Enrolment in January may be limited according to the available accommodation.

Nutrition.—Composition and nutritive value of foods; requirements to maintain the body in health; digestion of foods, factors influencing the diet, menu planning; diets for infants, children and adults.

Preparation.—Scientific principles underlying methods of preparation; application of these principles in food and meal preparation and service (family meals, meals for children, and meals for the aged and sick in the home).

CLOTHING

Selection.—Source and properties of the principal textile fibres; study of textile fabrics; principles of design; aesthetic and economic factors determining selection for the individual.

Construction.—Cotton, linen or woollen garments: choice and preparation of material, commercial patterns, use and care of the sewing machine, construction processes.

Care.—Daily, weekly, and seasonal; repairing; removal of stains, laundering.

HOME MANAGEMENT

The Home.—Standards of living in relation to home life; relation of the home to the community.

The House.—Planning, furnishing; renovation; care; problems and procedures in the management of the modern home; household budgets; use and care of household equipment, appliances and fabrics.

Sanitation.—Effect of environment on health; sanitary control of surroundings; disposal of waste.

Home Nursing and Child Care.—Care of the infant, child and adult; emergencies; bandaging.

METHODS

Objectives in teaching Home Economics; types of equipment; study of authorized courses; problems of organization; methods of teaching; demonstration of lessons; teaching aids.

PART II

Observation and Practice-teaching will be provided in selected Public and High Schools and will include a minimum of six practice lessons per student with an equal number of periods for observation lessons.

EXAMINATIONS

63. (1) Candidates for the Intermediate certificate shall pass in each of Parts I and II under the following conditions:

(*a*) Part I.

The following shall be the subjects in Part I with the maximum value of 100 for each subject:

Foods
Clothing
Home Management
Methods

The standing of candidates in the subjects of Part I will be determined by the sessional records and the final written examinations.

The sessional records, to which shall be allotted one-half the maximum value assigned above to each subject, shall consist of the daily credits and of the results of oral, written, and practical tests.

The final written examinations, to which shall be allotted the remaining half of the maximum value assigned above to each subject, shall include the following papers:

Foods
Clothing
Home Management
Methods

The pass standard in Part I shall be 60% of the marks assigned to each subject.

(*b*) Part II.

The standing of candidates in Part II shall be determined wholly by the sessional records. For this purpose the maximum value assigned to practice lessons shall be 300, and to observation lessons, 100.

The pass standard in Part II shall be 60% of the aggregate of the marks for the practice lessons and for the observation lessons respectively.

(2) (*a*) Candidates who pass in Part II and fail in not more than one subject of Part I will be exempted from further attendance.

(*b*) All other candidates who fail to obtain the necessary final standing will be required to attend another session, beginning after the Christmas vacation.

(3) (*a*) Candidates who are exempt from attendance under (2) (*a*) above may complete their standing for a certificate by taking at an annual examination, the examination, written or practical, in the subject in which they failed.

(*b*) The pass standard for candidates not in attendance will be the same as that for candidates in attendance, but no allowance will be made for sessional work in the case of those not in attendance.

CERTIFICATES

64. A candidate who takes the subjects and passes the examinations therein prescribed above shall be entitled to an Interim Intermediate Home Economics certificate which shall be valid in these subjects in any

Public, Separate, High or Continuation School and in Grades IX and X of a Collegiate Institute, provided that the teacher is otherwise qualified to teach in such schools.

This Interim certificate shall be valid for two years. The conditions under which the Interim Home Economics certificate may be made Permanent are contained in the regulations of the Department of Education.

65. COURSES FOR CERTIFICATES IN VOCATIONAL EDUCATION AND INDUSTRIAL ARTS AND CRAFTS

The Ontario Training College for Technical Teachers, which was established in Hamilton in 1925, has been re-organized as a department of the Ontario College of Education, Toronto, as of September 1, 1946.

I. Courses for the Ordinary Vocational certificate.

II. Courses for Industrial Arts and Crafts certificates:

1. The Intermediate certificate.
2. The Specialist certificate.

GENERAL CONDITIONS OF ADMISSION

(1) An applicant for admission to the courses referred to above shall make application, not later than August 31st, to the Director of Vocational Teacher-Training, 371 Bloor St. West, Toronto 5, on a form to be obtained from him, and shall submit with this application, on forms also to be supplied by the Director:

(a) A certificate from the Deputy Registrar-General of Births, Parliament Buildings, Toronto, or an affidavit by one of the parents or other relative, or other person cognizant of the applicant's date of birth.

Age limits:

For the Ordinary Vocational course, male applicants shall be not less than twenty-three and not more than thirty-five years of age; female applicants shall be not less than twenty-three and not more than thirty-two years of age.

For the Intermediate Industrial Arts and Crafts course, applicants shall be at least twenty years of age.

For the Specialist Industrial Arts and Crafts course, applicants shall be not less than twenty-three and not more than thirty-five years of age.

(b) A certificate from a competent authority that he is a British subject.

(c) A certificate from a clergyman or other competent authority that he is of good moral character.

(d) A certificate of successful vaccination.

(2) Before the final admission, and provided that the applicant is not already the holder of a Teacher's certificate, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 19th, and shall hold themselves in readiness to appear for subsequent further examination as required. Students are required to be in continuous attendance at the College during the period of the medical examination, September 25th to 29th.

(3) In the event of rejection of an applicant in consequence of the medical examination and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

66. I. COURSE FOR THE ORDINARY VOCATIONAL CERTIFICATE

ADDITIONAL REQUIREMENTS FOR ADMISSION

(1) Education.

Applicants are required to give evidence of secondary school graduation or the equivalent. Otherwise, candidates may be required to write examinations in English, Mathematics and Science, these examinations to be held at the College on the first day of the session.

(2) Trade Training and Experience.

(a) The training or apprenticeship required shall be that usually demanded for journeyman's qualifications in the trade concerned. Special training obtained in an approved day vocational school will be taken into account in considering the period of training. Applicants should submit statements from the persons or firms under whom they were trained, showing the length of the training period and the nature of the work.

(b) The experience required shall be several years of wage-earning journeyman trade experience with approved high-grade firms, and shall be such as to show that the applicant is a skilled craftsman, competent in the main branches of the trade, and familiar with its recent developments. The length of the journeyman experience depends upon the nature of the trade. Documentary evidence of experience in the trade in approved shops shall be furnished by the applicant.

(c) The applicant shall be required to pass an examination designed to test his attainments as a skilled worker in the trade concerned. The examination shall be on the fundamental principles, operations, processes,

and skills of the trade, and shall be in two parts (1) written, (2) practical. In the practical examination he shall be required to show his skill in a performance test. This examination will be given by the Ontario College of Education during the first week of the session at places to be arranged.

67. PROGRAMME OF STUDIES

The course of training for the Interim Ordinary Vocational certificate consists of two parts:

Part I: Educational Psychology
School Law and Regulations
English
History of Vocational Education
Principles of Teaching and Classroom Management
Technical Subjects: 1. trade analysis,
2. shop plan,
3. equipment list,
4. yearly budget,
5. course of study.

Part II: Observation and Practice-teaching.

68. ORGANIZATION OF COURSE

(1) Each candidate must prove by taking a Trade Test during the first week of the Session that he is a skilled craftsman in the practical subject he desires to teach.

(2) In general, the course is built upon the experiences of the student-teachers in the practice schools. Observation is stressed during the early part of the session. Individual and group instruction will be increased until, in the final two weeks, the student-teacher will take charge of the class with no assistance from the teacher.

(3) During alternate weeks in the College, in addition to the programme of studies, the student-teacher is given an assignment to cover his duties in the practice school for the following week. A corresponding bulletin is mailed to the teacher, who reports on the progress of the student at the completion of each week of Practice-teaching.

(4) Where possible, student-teachers are sent at first to vocational departments in the smaller composite schools and later to technical schools in the larger centres. The Director and his staff visit the practice schools from time to time to assist in evaluating the students' work.

69. DETAILS OF SUBJECTS

The details of the subjects of the course for the Ordinary Vocational certificate are set out below.

EDUCATIONAL PSYCHOLOGY

(a) Psychology
  (i) intelligence, tests and measurements;
  (ii) learning, nature and laws; memory, fatigue, transfer, etc.
  (iii) mental hygiene of the pupil and the teacher,
  (iv) psychology of adolescence; school discipline.
(b) Guidance and Counselling.

SCHOOL LAW AND REGULATIONS

The Vocational Education Act, Regulations for Vocational Schools, the Apprenticeship Act, the Trade Schools Regulation Act; other legislation and regulations of direct concern to vocational schools.

ENGLISH

English—both oral and written—a brief review of the main essentials of grammar and composition to enable the shop teacher to avoid the more common errors in the use of words.

HISTORY OF VOCATIONAL EDUCATION

Brief historical sketch to show vocational aspects of educational developments; contributions of the educational reformers, Comenius, Locke, Rousseau, Pestalozzi, Fellenberg, Herbart, Froebel, Spencer; relation of industrial developments to the need for industrial education; development of secondary education, of vocational education; the manual training movement, the mechanics' institute, the farm and trade school, industrial and technical schools, trade schools; part-time, co-operative and apprenticeship classes; the Ontario educational system.

PRINCIPLES OF TEACHING AND CLASSROOM MANAGEMENT

Learning process as applied to practical subjects; formal lesson types; individual differences; individual and group instruction; lesson planning; instruction aid material—sheets, pictures, charts, films, models; organization of instruction material; tests and examinations; records; special shop problems.

TECHNICAL SUBJECTS

(a) Trade Analysis and Course of Study:

Study of the work of the skilled craftsman to determine the teachable content of each trade or calling. Analysis of the trade to determine the skill, and the trade, technical and concomitant knowledges of the skilled

worker; selection of instructional materials and arrangement into groups according to learning difficulties; selection of projects to be used to fit the order of the course of study; determination of related mathematics, science, drawing and auxiliary information needed in each project, preparation of course of study; unit courses.

(b) Shops Plans, Equipment and Budget:

Study of desirable features of shops and classrooms, size, shape, lighting, lay-out; preparation of minimum, and desirable, lists of equipment for the type of shop in which the teacher-in-training will work; design of benches, tables, furniture, selection of tools and machines; approximate prices; preparation of annual budget.

70. II. COURSES FOR INDUSTRIAL ARTS AND CRAFTS CERTIFICATES[1]

1. COURSE FOR THE INTERMEDIATE CERTIFICATE

This is a two-year course to provide training for those who contemplate the teaching of Industrial Arts and Crafts in Public, Separate, Continuation and High Schools. Applicants admitted under condition B below shall be exempted from attendance during one year of the course.

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit:

A. Evidence of graduation from an approved regular four-year industrial course in a vocational school, which includes machine shop practice, woodworking, drafting, electricity, and auto mechanics; and evidence of at least one year of approved industrial wage-earning experience;

OR

B. Evidence of a Second Class or more advanced Ontario teaching certificate, and *either* an Elementary Manual Training certificate *or* a statement indicating successful completion of the work of Part I of the Elementary Industrial Arts and Crafts, Type B, course or the work of Part I of the Elementary Industrial Arts and Crafts, Type A, course. Applicants who hold the Elementary Industrial Arts and Crafts certificate, Type A shall be exempted from attendance during the autumn term but shall make application for admission not later than December 1.

71. PROGRAMME OF STUDIES

The course of training for the Intermediate certificate in Industrial Arts and Crafts consists of two parts as follows:

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[1]The Dean reserves the right to limit the total enrolment of Intermediate and Specialist candidates to twenty-five.

Part I: Activity Analysis and Course of Study
Shop Work
History of Industrial Arts and Crafts Education
Guidance

Part II: Observation and Practice-teaching.

Each student is given at least three weeks in a practice school. His teaching progresses from individual and group instruction to complete charge of routine duties and class instruction. If possible, he is sent to the general shop (a) in a public school, (b) in a continuation or high school, and (c) in a collegiate institute.

Note: For the Programme of Studies for those who must attend two years, see the Programme of Studies of the course for the Ordinary Vocational Certificate in Section 67.

72. DETAILS OF SUBJECTS

ACTIVITY ANALYSIS AND COURSE OF STUDY

See Technical Subjects in Section 67.

SHOP WORK

The present set-up consists of (a) Metal work, (b) Woodwork and Crafts. Each shop is organized on the general shop plan. At least four activities are being conducted in each shop. Metal work includes such activities as forge and vise work, sheet metal, welding, machine shop, farm machinery repair and overhaul. Woodwork and Crafts include drafting, woodwork (both hand and machine processes), building construction, practical electricity, furniture finishing, leather work, art metal work, and plastics.

HISTORY OF INDUSTRIAL ARTS AND CRAFTS

See History of Vocational Education in Section 67.

GUIDANCE

A course of lectures in educational and vocational guidance.

73. 2. COURSE FOR THE SPECIALIST CERTIFICATE[1]

This course is to provide training for those who contemplate teaching Industrial Arts and Crafts in collegiate institutes.

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit a Permanent[2] Intermediate Industrial Arts and Crafts certificate.

[1]This certificate may be obtained also in summer courses conducted by the Department of Education.

[2]Service personnel may be admitted on an Interim Intermediate Arts and Crafts certificate.

74. PROGRAMME OF STUDIES

The course of training for the Specialist certificate in Industrial Arts and Crafts consists of two parts as follows:

Part I. Activity Analysis, Course of Study and Shop Management
Advanced Shop Work

Part II. Observation and Practice-teaching.

75. EXAMINATIONS AND CERTIFICATES

(1) The final standing of students in attendance in the course for the Ordinary Vocational Certificate or the courses for the Intermediate and Specialist Certificates in Industrial Arts and Crafts shall be determined by the combined results of the sessional records and the records of the final examinations of Part I and by the results of the records of the Observation and Practice-teaching of Part II, of the course concerned.

(2) The sessional records in each course represent oral and written exercises, practical work, research and frequent tests; and at the close of each term there will be a set of examinations.

(3) A candidate shall pass in each of the subjects listed in the Programme of Studies of the course concerned. The pass standard shall be 50% of the marks assigned to each subject of Part I and 60% of the aggregate of the marks assigned to each of the divisions of Part II. A candidate for the Intermediate Industrial Arts and Crafts certificate or the Specialist Industrial Arts and Crafts certificate must pass a performance test before a certificate is issued.[1]

(4) (a) A candidate for the Ordinary Vocational certificate who passes in Part II and fails in not more than one subject of Part I shall be exempted from further attendance.

(b) A candidate for the Intermediate certificate in Industrial Arts and Crafts who passes in Part II and fails in not more than two sections of Shop Work *or* one other subject of Part I shall be exempted from further attendance.

(c) A candidate for the Specialist certificate in Industrial Arts and Crafts who passes in Part II and in Advanced Shop Work of Part I shall be exempted from further attendance.

(d) All other candidates who fail to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

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[1]A candidate for the Ordinary Vocational certificate must obtain a minimum of 50% in the Trade test taken during the first week of the session (see Section 68).

(e) A candidate exempted from attendance, as provided in Section 75 (4) (a), (b) or (c), may complete his standing for a certificate by re-writing at an annual examination the examination in the subject in which he failed. Examinations will be held at the close of the session at such centres and under such conditions as are set out in Section 16 (3) (b).

76. GRADES OF CERTIFICATES

(1) An Interim Ordinary Vocational certificate which qualifies the holder to teach a shop subject for two years in a vocational school.

(2) A Permanent Ordinary Vocational certificate.

(3) A Specialist Vocational certificate which qualifies the holder to act as Shop Director in a vocational school.

(4) An Interim Intermediate certificate in Industrial Arts and Crafts, which qualifies the holder to teach shop work for two years in a public, separate, continuation or high school.

(5) A Permanent Intermediate certificate in Industrial Arts and Crafts.

(6) A Specialist certificate in Industrial Arts and Crafts which qualifies the holder to teach shopwork in a collegiate institute.

(7) A Vocational School Principal's certificate. For the requirements for this certificate, consult the regulations of the Department of Education.

77.

Books of Reference:

Bennett: History of Manual and Industrial Education, 1870-1917.
Bernhardt: Elementary Psychology.
Burton: Supervision and the Improvement of Teaching.
Conant: General Education in a Free Society.
Cornford: The Republic of Plato.
Council for Curriculum Reform: The Content of Education.
Counts: Education and the Promise of America.
Cubberley: Changing Conceptions of Education.
Delmar: Applied Textiles.
Delmar: Fundamentals of Dressmaking.
Department of Education: Principles of Method.
Edmonson, Roemer, and Bacon: The Administration of the Modern Secondary School.
Fern: Training for Supervision in Industry.
Fryklund: Trade and Job Analysis.
Hamilton: The Teacher on the Threshold.
Hook: Education for Modern Man.
Leighbody: Methods of Teaching Industrial Subjects.
McCutcheon: Public Education in Ontario.
Prosser and Allen: Vocational Education in a Democracy.
Struck: Creative Teaching.

Struck: Education for a Post-War World.
University of State of New York: Improving Instruction Through Supervision.
University of State of New York: The Instructor and His Job.
Warner, Havighurst, Loeb: Who Shall Be Educated?
Wilber: Industrial Arts in General Education.
Wright and Allen: Efficiency in Vocational Education.

COURSES FOR DEGREES IN PEDAGOGY

The Ontario College of Education offers courses of instruction for the degrees in Pedagogy during the regular College Sessions and during Summer Sessions.[1]

DEGREE OF BACHELOR OF PEDAGOGY (B.PAED.)

78. The degree of Bachelor of Pedagogy (B.Paed.) will be awarded under the following conditions:

(1) The candidate shall hold an approved degree in Arts, Education, Science, Agriculture, Engineering, or Commerce and a certificate as teacher valid in one of the Provinces of Canada and issued after a regular course in an approved training school or the equivalent of such certificate and course of training.

(2) The candidate shall be in attendance at the Ontario College of Education during two regular College Sessions or three Summer Sessions.

(3) The course shall consist of six units including units 1 and 2 and any four others of units 3 - 14 as follows:

1. *The Development of Modern Educational Systems*
   The movement towards state responsibility for the education of all, and the extension of state-controlled systems of education, with attention to economic, political and social changes, particularly in Great Britain, the United States and Canada during the past two centuries.
2. *The Development of Modern Educational Thought and Practice*
   The theory and practice of outstanding educators during the past two centuries, related to changing concepts of society, and the influence of these educators on ordinary classroom practice in Great Britain, the United States and Canada.
3. *Educational Psychology*
   An introductory course in general educational psychology.

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[1]See Section 7 (4) for information regarding a Fellowship in Education.

4. *School Law and Administration of Education in Ontario.*

5. *Supervision*

   Functions and duties of supervisors and principals as related to the administration of the elementary and secondary school and improvement of instruction; specific administrative and supervisory techniques.

6. *Principles and Practices in School Administration*

   The administration of education in England, the United States, Canada, Australia, New Zealand and South Africa. Relevant information regarding other countries may be included.

   The course will include a consideration of such topics as centralization *vs.* decentralization, school legislation, division of duties between central and local authorities, educational finance, supervision, etc. Comparisons between systems in different countries will be stressed throughout the course.

7. *Measurement in Education*

   An evaluation of various types of objective and essay-type examinations. The preparation and use of new-type tests. Standardized tests. The measurement of general and specific aptitudes, personality traits, and school achievement. Interpretation of test results.

8. *Educational and Vocational Guidance*

   Basic principles and current practices in educational and vocational guidance, with a discussion of diagnosis, counselling, and the place of group work, in a student personnel programme.

9. *Instructional Techniques and Practices*

   The development of theories of learning from Pestalozzi to modern times, and the influence of these theories on curricula and methods. A study of such general methods as the Dalton Laboratory Plan and the Enterprise Method, as well as an evaluation of various methods of teaching the subjects of the elementary and the secondary school curriculum.

10. *Educational Statistics and Experimental Methods*

    An introductory course in elementary statistics. Design of experiments, including the logic of generalizing from a sample to the population and methods of planning investigations.

11. *Modern Philosophies of Education*

Critical survey of modern philosophies and the conflict of essentialist and progressivist schools of thought.
The nature of society and the aims of education in different types of society—especially in a democracy.
Various educational agencies; the peculiar place of the school; an evaluation of the school and a noting of new ventures designed to take care of the inadequacies of the school.

12. *Intelligence and its Measurement*

The nature, growth and distribution of intelligence. The preparation, administration and interpretation of group and individual mental tests.

13. *Mental Health and Child Study*

The factors involved in child development (pre-school period, early school years, intermediate years, adolescence) and the difficulties and problems of each period. The preventive and remedial phases of mental health.

14. *Diagnosis and Remedial Instruction*

Study of pupil difficulties and techniques of preventive and remedial teaching, with special emphasis on practices suitable for typical classrooms; use of diagnostic tests, observations and examinations and interpretation of the results.

15. *Adult Education*

History and organization of adult education in Canada; a survey of current philosophies of education in the adult field; psychology of learning for adults; problems of administration and presentation of adult education, and allied topics.

Not more than four of these units shall be taken during a regular College Session and not more than two during a Summer Session. Courses for full-time students only will be offered in the regular Session. Not all units will be given in any one Session. Certain of the units will be offered only in alternate Sessions.

The candidate who has attended at least one summer session and who holds (*a*) an Ontario Inspector's Certificate, or (*b*) an Ontario Vocational School Principal's Certificate, or (*c*) an Ontario Specialist or Intermediate Guidance Certificate, or who has completed attendance in any subject of the former Pedagogy courses, may be exempted from attendance in two units but shall take the written examination in these units.

For two of the above units the candidate, with the special previous consent of the Committee in charge of the courses, may substitute an approved course in another department of the University, of a standard

not lower than that of a minor in a course leading to the degree of Doctor of Philosophy.

(4) The examinations, one paper per unit, shall be held in April and May at the University of Toronto or in other localities in the Province approved by the Senate and under a presiding examiner appointed by the Senate, provided the candidate thereat defray the cost of the local examination. The candidate shall send notice not later than the 15th day of March of his intention to take the examinations and of the locality in which he wishes to write such examinations.

(5) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, regular College Session, including examination and library fees	125.00
Examination, per unit	3.00
Degree	10.00

All fees shall be paid to the University of Toronto with the application for registration or examination, as the case may be.

(6) The standard for a Pass degree shall be 60 per cent. of the marks assigned to each unit. The candidate who obtains 60 per cent. of the marks of each unit and 75 per cent. of the aggregate of marks shall be awarded a degree with Honours. On the report of the instructors concerned a maximum of 40 per cent. of the marks in any unit may be assigned to the term work of the candidate.

(7) The candidate who has completed one or more subjects not later than May, 1946, will be given credit for two units per subject, these units to be approved by the examiners in the subjects concerned.

DEGREE OF DOCTOR OF PEDAGOGY (D.PAED.)

79. The degree of Doctor of Pedagogy (D.Paed.) will be awarded by the School of Graduate Studies under the following conditions:

(1) The candidate who completed not later than May, 1936, the course for the degree of Bachelor of Pedagogy is eligible for admission to the course for the degree of Doctor of Pedagogy. If the candidate for admission to the course for the degree of Doctor of Pedagogy has completed the course for the degree of Bachelor of Pedagogy in 1937 or later, he must pass a qualifying examination, to be held annually in February.[1] Details of this examination may be obtained on application to the Secretary of the Ontario College of Education.

(2) The candidate, after admission to the course, shall be in attendance at the Ontario College of Education during one regular College Session or one Summer Session.

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[1]Under special circumstances and at the discretion of the Pedagogy Committee, other arrangements regarding the qualifying examination may be made for a student in full-time attendance who has credit for at least four units.

(3) The course shall consist of two units as defined herein and a thesis as defined in (5) below.

A candidate admitted to the course for the degree of Doctor of Pedagogy shall take from the sixteen units listed in Sections 78 (3) and 79 (3) any two units not included in his course for the B. Paed. degree.

16. *Advanced Statistics and Measurement*

A study of recent developments in statistics and measurement, with emphasis on the mathematical assumptions and derivations underlying the theory; will include multiple regression, analysis of variance and covariance, sampling theory, and applications of statistical methods to the development of measuring instruments.

17. *Research in Education*

Nature of scientific thinking. Finding and defining the research problem. Advantages, disadvantages, limitations and theoretical aspects of various methods of doing research in education. Location, evaluation, analysis and presentation of data. The research report.

(4) The examinations shall be held at such times and under such conditions as to date of application, place of examination, percentages, term work, etc., as obtain with the Bachelor's degree.

(5) The candidate, after passing the prescribed examinations, shall also submit *on or before February 1st* a thesis on an educational topic which has been selected with the approval of the Ontario College of Education. The thesis must show scholarly treatment and literary excellence. After the examiners have reported in favour of the candidate's examinations and thesis, and before the degree of D.Paed. is conferred, the candidate shall furnish the Secretary of the School of Graduate Studies with three copies of the thesis, and shall make arrangements to publish the thesis or an approved abstract thereof. If the candidate publishes only an abstract of his thesis, he shall furnish the Secretary of the School of Graduate Studies with twenty-five copies of the abstract.

(6) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, Regular College Session, including examination and library fees	125.00
Examination, per unit	3.00
Examination of thesis	10.00
Degree	25.00

All fees shall be paid to the University of Toronto with the application for registration or examination as the case may be.

DEGREES OF DOCTOR OF PHILOSOPHY (PH.D.) AND MASTER OF ARTS (M.A.)

For information about the courses for these degrees, candidates should consult the calendar of the School of Graduate Studies.

The University of Toronto issues the following official calendars, any one of which may be had on application to the Registrar of the University or to the Secretary of the Faculty about which information is sought:

CALENDARS

Admission Requirements
Admission Scholarships and Bursaries
Faculty of Arts
Faculty of Medicine
    Physical and Occupational Therapy
Faculty of Applied Science and Engineering
Faculty of Household Science
Ontario College of Education
Library School
Faculty of Forestry
Faculty of Music
School of Graduate Studies
Faculty of Dentistry
School of Law
School of Architecture
School of Physical and Health Education
School of Social Work
School of Nursing
School of Hygiene
Institute of Child Study
University Extension—
    Teachers' Classes, Summer Session,
    Certificate Course in Business (Evenings)

Enquiries about the following colleges affiliated with the University of Toronto, should be addressed directly to the college concerned:

Ontario Agricultural College, Guelph
Ontario Veterinary College, Guelph
Ontario College of Pharmacy, 46 Gerrard St. E., Toronto

Desk Copy

Ontario College of Education
Library
JUL 18 1952
University of Toronto

UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education

1952-1953

In view of increasing costs of supplies and labour, residence dues and other charges set forth in this calendar are subject to change by the Board of Governors.

UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education

1952-1953

THE UNIVERSITY OF TORONTO PRESS
1952

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CALENDAR, 1952-1953

1952—July 2.....Summer Session (Pedagogy) opens.

Aug. 5.....Summer Session (Pedagogy) closes.

Sept. 23-27...Medical Examination.

Sept. 23.....Academic year begins at 9. a.m.

Sept. 24.....Address by the President to the students of all faculties and schools at 3.45 p.m. in Convocation Hall.

Oct. 2.....Meeting of Council.

Nov. 6.....Meeting of Council.

Nov. 11.....Remembrance Day Service at 10.45 a.m. Lectures and laboratory classes withdrawn from 10 a.m. to 11.15 a.m.

Dec. 4.....Meeting of Council.

Dec. 19.....Last day of lectures. Term ends at 5 p.m.

1953—Jan. 5.....Winter Term begins at 9 a.m.

Jan. 8.....Meeting of Council.

Jan. 20.....Last day for receiving the second instalment of fees.

Feb. 5.....Meeting of Council.

Mar. 5.....Meeting of Council.

Apr. 2.....Meeting of Council.

Apr. 3.....Good Friday.

Apr. 13.....Spring Term begins.

May 7.....Meeting of Council.

May 15.....Last day of Lectures.

May 18-29...Final Examinations (except for candidates for Intermediate and Specialist Industrial Arts and Crafts certificates).

May 26-29...Final Examinations for candidates for Intermediate and Specialist Industrial Arts and Crafts certificates.

June 3, 4, 5...University Commencement.

ADMINISTRATIVE OFFICERS

The University

President . . . . Sidney Smith, Q.C., M.A., LL.B., LL.D., D.C.L., F.R.S.C.

Registrar . . . . . J. C. Evans, B.A.
Librarian . . . . . W. S. Wallace, M.A., LL.D., F.R.S.C.
Warden of Hart House . . . .
Director of University Extension . . . . . J. R. Gilley, B.A.Sc.
Assistant to the President . . . . . C. T. Bissell, M.A., Ph.D.

Comptroller . . . . . A. G. Rankin, B.Com., C.A.
Bursar and Secretary to the Board of Governors . . C. E. Higginbottom, F.C.I.S.
Superintendent of Buildings and Grounds . . . . . A. D. LePan, B.A.Sc.
Chief Accountant . . . . . G. L. Court, D.F.C., B.Com., C.A.

Director of University Health Service
G. W. Wodehouse, M.C., M.D., F.R.C.P.
Assistant Director of University Health Service—Women
Miss F. H. Stewart, B.A., M.D.
Director of Athletics and Physical Education—Men . . W. A. Stevens, B.S.
Director of Athletics qnd Physical Education—Women . . Miss Z. Slack, B.A.
General Manager of the University of Toronto Press
A. G. Rankin, B.Com., C.A.
Editor of the University of Toronto Press
G. W. Brown, M.A., Ph.D., F.R.S.C.
General Secretary-Treasurer of the Students' Administrative Council
E. A. Macdonald, B.A.
Associate Secretary of the Students' Administrative Council
Miss A. E. M. Parkes, B.A.
Director of Hart House Theatre . . . . . R. S. Gill, M.A.
Director of the Placement Service . . . . . J. K. Bradford, O.B.E., M.A.Sc.

Ontario College of Education

Dean . . . . . A. C. Lewis, M.A., D.Paed.
Director of the Department of Educational Research
J. A. Long, B.A., Ph.D.
Supervisor of Graduate Students . . . . . C. E. Phillips, M.A., D.Paed.
Director of the Vocational Guidance Centre . . . . . M. D. Parmenter, M.A.
Director of the Department of Vocational Training and Industrial Arts and Crafts . . . . . R. D. Phillips, B.Sc.
Supervisor of Practice Teaching . . . . . H. A. McGuire, B.A , B.Paed.
Supervisor of Women Students . . . . . Miss Helen B. St. John, M.A.
Secretary . . . . . Miss Lyda Swinarton

Note.—Communications to the Ontario College of Education should be addressed to the Secretary, Ontario College of Education, 371 Bloor Street W., Toronto 5.

CALENDAR 1952

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Courses in Education

GENERAL INFORMATION

In its courses in Education the Ontario College of Education trains candidates for certificates as teachers and in particular for Provincial certificates as teachers of Art and Crafts, Home Economics, Physical Education, Vocal Music, Instrumental Music, Commercial Subjects, Vocational Education, Industrial Arts and Crafts, as High School Assistants and as teachers of public and separate schools. It also offers courses leading to the B.Paed., D.Paed., B.Ed., M.Ed., Ed.D., M.A., and Ph.D. degrees.

The buildings of the Ontario College of Education on Bloor Street contain lecture-rooms, laboratories, and reading-rooms for the accommodation of the students, and model class-rooms for observation and practice-teaching. So far as necessary the observation and practice-teaching are supplemented by observation and practice-teaching in schools in and near the City of Toronto.

While the chief exercises of the Ontario College of Education will be conducted in the buildings on Bloor Street, the students in Education may use the University's library, gymnasium, and athletic fields, and Hart House, under such conditions as obtain with other students. They will also be admitted free to the Royal Ontario Museum, Bloor Street, and to the Toronto Art Gallery, Dundas St., from 9 a.m. to 5 p.m., on presentation of their registration cards.

BOARD AND LODGING

The Secretary of the Ontario College of Education will forward lists of boarding-houses on request.

COURSES AND CERTIFICATES

1. (1) The following courses are offered:

(*a*) Courses for Interim High School Assistants' certificates, Type B; Interim High School Assistants' certificates, Type A,[1] including Physical Education, Art and Crafts, Instrumental Music, and Vocal Music;[2] Interim First Class certificates;[3] Interim Elementary certificates in Art and Crafts; Interim Elementary Type A certificates in Physical Education, Industrial Arts and Crafts,[4] Instrumental Music, and Vocal

[1]See Section 18 (1).

[2]The courses leading to High School Assistants' certificates, Type A, in Physical Education, Art and Crafts, Instrumental Music and Vocal Music are open only to those who qualify under section 26 (*c*), (*d*), or (*e*).

[3]This course may not be completed in the regular College session but requires a subsequent summer session before the candidate will be recommended for the certificate.

[4]This course may not be completed in the regular College session but requires two subsequent Summer sessions before the candidate will be recommended for the certificate.

Music; Interim Intermediate certificates in Art and Crafts, and Home Economics; Interim Elementary Commercial certificates; Interim Ordinary Vocational certificates; and for Intermediate and Specialist certificates in Industrial Arts and Crafts.

(*b*) Courses for the degree of B.Paed. and B. Ed.

(*c*) Courses under the School of Graduate Studies for the degrees of D.Paed., M.A.,, M.ED., Ed.d. and Ph.D.

(2) High School Teachers' Certificates.[1]

(*a*) Grades of Certificates:

The following grades of certificates qualify the holders for teaching in High Schools and Collegiate Institutes:

(i) An Interim High School Assistant's certificate, Type B, which qualifies the holder for two years as an Assistant.

(ii) A Permanent High School Assistant's Certificate.

(iii) An Interim High School Assistant's Certificate, Type A, which qualifies the holder for two years as an Assistant and as the head of a department in a Collegiate Institute.

(iv) A High School Specialist's Certificate.

(v) A High School Principal's Certificate.

(*b*) Requirements for the above Certificates:

(i) For an Interim High School Assistant's Certificate, Type B: The completion of the professional course of training for this certificate at the Ontario College of Education.

(ii) For a Permanent High School Assistant's Certificate: The Interim High School Assistant's Certificate, Type B, and two years' successful teaching experience in Ontario in a secondary school or in Grades IX or X of a Public or Separate School.

(iii) For an Interim High School Assistant's Certificate, Type A: The completion of the professional course of training for this certificate at the Ontario College of Education.

(iv) For a High School Specialist's Certificate: An Interim High School Assistant's Certificate, Type A, and two years' successful teaching experience in Ontario in the subject or subjects covered by the Interim High School Assistant's Certificate, Type A.

(v) For a High School Principal's Certificate: For this information consult the regulations of the Department of Education.

(*c*) The holders of Interim High School Assistants' Certificates, Type B, or Permanent High School Assistants' Certificates may secure Interim High School Assistants' Certificates, Type A, under the conditions outlined in Section 17 of this calendar.

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[1]For certificates in Vocational Training and in Industrial Arts and Crafts, see Section 76.

SESSION

2. Enrolment will take place and the medical examination will begin at 9. a.m., Tuesday, September 23rd. The Autumn Term will end December 19th, at 5 p.m., and the Winter Term will begin January 5th at 9 a.m. The Spring Term will begin April 13th and end May 29th.

DUTIES OF STUDENTS

3. (1) Regular attendance on the part of candidates for Provincial certificates is indispensable, except for such as are exempt from attendance under the regulations of the Department of Education, and for such as are permitted by the Dean to act, after Christmas, for not more than a total of one fortnight, as substitute teachers in the schools of Ontario.

(2) Students whose class-work shows them to be unduly deficient in scholarship, or whose conduct, attendance or progress is unsatisfactory, may be dismissed from attendance by the Dean at any time during the session.

(3) On the Dean's report to the Minister of Education as to the physical unfitness of a student for training for a Provincial certificate as a teacher, the Minister may require a special medical examination of such student, and, as a result thereof, may direct that his registration for such training be cancelled.

(4) Various religious, athletic, literary and dramatic associations are formed each session. For professional improvement all students shall share in the activities of the literary and dramatic associations.

FEES

4. (a) For Intramural Students:

High School Assistants' Course, Type B, One-Year Intermediate Home Economics Course, and Vocational Training and Industrial Arts and Crafts courses.

*Academic Fee	†Incidental Fees	Total Fee (if paid in one instalment)	First Term Instalment due Sept. 23	Second Term Instalment due Jan. 20
		Men		
$180	$31[1]	$211	$131	$80
		Women		
$180	$16[1]	$196	$116	$80

Notes: 1. The Academic Fee (which includes the examination and University Library fees) and the Incidental Fees are to be paid to the UNIVERSITY OF TORONTO. After January 20th, an additional deferred payment fee of $1 per month shall be imposed until the whole amount is paid.

2. A College Library deposit of $1 is to be paid at the College.

3. There is no additional fee for a High School Assistants' course, Type A, or for a Supplementary course when taken concurrently with the High School Assistants' course, Type B.

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*The fee is the same for the regular College Session as for the Session after Christmas. For those who have not attended an Ontario Secondary School for at least two years or who have not graduated from an Ontario University or whose home addresses as recorded on the register of the University from which they graduated are outside the Province of Ontario, the Academic Fee is $255.

†These Incidental Fees include the following fees:—

For men—Hart House; Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

For women—Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

[1]A student who holds an Ontario teaching certificate will pay $29 or $14, as the case may be, because he or she will not be required to take a medical examination.

(*b*) For Extramural Students:

Fee for the final examinations of the High School Assistants' course, Type B, which includes the fee for the final examinations of the High School Assistants' course, Type A, if taken concurrently	$20.00
Fee for the final examinations of the High School Assistants' course, Type A, if taken in a different Session from the final examinations of the High School Assistants' course, Type B	5.00
Fee for examination in one subject of any course when repeated in a subsequent Session	2.00

5. (1) EXEMPTION FROM FINAL EXAMINATIONS

Exemption from the final examinations of the various courses in which they are enrolled may be granted, in one or all, to intramural candidates, whose fees are paid in full by May 15, 1953, and whose progress and achievement have been reported as satisfactory by the supervisor of practice-teaching and by all of the instructors in the various subjects of study. The report of the supervisor of practice-teaching shall be based upon the critics' estimates of the practice-teaching of students concerned, and the reports of the instructors in the subjects of study shall be based upon term tests, assigned term-work and the instructors' observation of the students' interest and effectiveness in the work of the course or courses concerned.

(2) FINAL EXAMINATIONS

No candidate will be permitted to take more than twice any final examination, or part thereof, for any certificate listed in this calendar.

APPEALS

6. The answer papers of the final examinations of all unsuccessful candidates for Provincial certificates are re-read by the examiners, and the results of the first reading reconsidered before a decision to reject is reached. Despite this fact any unsuccessful candidate may have his case considered a third time if within two weeks after the announcement of the results he lodges with the Minister of Education his appeal, with a statement of the grounds on which it is based, and with a fee of $2.00. The fee will be refunded if the appeal is sustained.

7. SCHOLARSHIPS AND PRIZES[1]

NOTE

On account of the continued tendency towards lower rates of interest, it is possible that the value of certain endowed scholarships and prizes at the time of payment may prove to be less than the amount stated in the calendar.

In those cases where the amount of the award is not payable from income earned on an endowed fund, payment will be dependent on the receipt of the amount of the annual award from the donor.

THE HUGH W. BRYAN MEMORIAL SCHOLARSHIP OF THE ONTARIO SECONDARY SCHOOL TEACHERS' FEDERATION

(1) The Ontario Secondary School Teachers' Federation has founded an annual scholarship of the value of the interest on $2,000 in memory of a former President of the Federation, Dr. Hugh W. Bryan. This scholarship will be awarded by the Bryan Memorial Scholarship Committee of the Federation, at the close of each session and after the receipt of a report from the Council of the College of Education, to the student in regular attendance throughout the session in the High School Assistants' Course who has shown "the most outstanding qualities of scholarship, teaching ability, and character."

THE LAURA L. OCKLEY SCHOLARSHIP IN HOME ECONOMICS

(2) Former students of Miss Laura L. Ockley, who was in charge of the training of Home Economics teachers in the University of Toronto from 1912 to 1943, have founded in her honour an annual scholarship of the value of $100. This scholarship will be awarded at the close of the session to a student in regular attendance in the High School Assistants' course, Type A, in Home Economics, or in the Intermediate Home Economics course, who has shown the most outstanding qualities of "scholarship and teaching ability in Home Economics and leadership in human relations." Awards over a period of years will be made to students of the High School Assistants' course, Type A, in Home Economics, and of the Intermediate Home Economics course in proportion to the registration in these courses during that period.

THE PAKENHAM MEMORIAL PRIZE

(3) As a memorial to Dr. William Pakenham, Dean of the Ontario College of Education from 1907 to 1934, the teachers of Ontario have founded an annual Memorial Prize of the value of the interest on $1,000.

[1]Only one scholarship or prize shall be awarded to any one student.

The Prize will be in the form of books stamped with the Coat of Arms of the University of Toronto, and will be awarded to the student who obtains the highest standing, as reported in the annual returns of the College, in the subjects of Part I of the High School Assistants' course, Type B, and in Practice Teaching.

THE WILLIAM PAKENHAM FELLOWSHIP IN EDUCATION

(4) The late William Pakenham bequeathed to the University of Toronto the residue of his estate to be used as the governing body of the University may direct in behalf of the activities of the Ontario College of Education.

Accordingly a Fellowship in Education has been established for advanced work either in the University of Toronto or in some other university approved by the Senate. The Fellowship shall be awarded at such intervals and have such value (not to exceed $3,000) as the Senate, on the recommendation of the Council of the Ontario College of Education, may from time to time determine. Applicants must be residents of Ontario, holding a Bachelor's degree, a teacher's certificate valid in a Canadian province, and must submit a record of professional experience and evidence of ability to make a contribution to education in Canada as a result of further work.

Applications shall be made on or before March 1st to the Secretary, Ontario College of Education.

DOMINION-PROVINCIAL STUDENT-AID BURSARIES

(5) Under this programme, Bursaries may be awarded to students in financial need who are resident in Ontario and who are in attendance at the University of Toronto. Further information may be obtained from the Secretary of the Faculty.

HART HOUSE

8. All men students are required to become members of Hart House. The purpose and the conditions of this membership are defined in a bulletin to be distributed at the time of registration.

UNIVERSITY HEALTH SERVICE

Membership. Membership in the University Health Service is obligatory for all students, with the following exceptions:

(*a*) Women living in residence at Victoria College, for whom the College provides its own Health Service.

(*b*) Students in the Pass Course for Teachers, in courses leading to the degrees of Bachelor of Science in Medicine, Bachelor of Science in Dentistry and Bachelor of Pedagogy; and certain graduate and occasional students.

Those for whom the fee is not compulsory may be granted membership on payment of the fee, provided this is done at the time of registration.

Objective. The objective is the preservation and promotion of the health of the students.

Facilities. The Health Service maintains a close liaison with the Medical Service of the Department of Veterans Affairs.

(1) Medical Examination. By order of the Board of Governors, a medical examination by the Health Service is compulsory for:

(*a*) Undergraduate students in their first year of attendance at the University. This examination is to be completed within one month of registration. Thereafter, the examination is to be repeated following any serious illness or accident.

(*b*) Any undergraduate student who, at the previous year's examination, was placed in a Category below B, i.e. B(NS), B(NBC), D, and E.

(*c*) Any student, graduate or undergraduate, whose domicile is not in Canada. This examination is to be completed annually within one month of registration.

(*d*) Any student, graduate or undergraduate, where the Health Service has reason to believe that such an examination is necessary in the interest of the health of the student or of the public.

(*e*) Any student, graduate or undergraduate, annually, before participating in organized competitive athletics or required physical education. The Health Service shall have the right to debar any student on medical grounds from participating in athletics, and also to recall any athlete for examination.

An opportunity will be afforded annually for all students to have a medical check-up if they so desire.

(2) X-Ray Chest Survey for Pulmonary Tuberculosis. By order of the Board of Governors, the following groups of students must have an x-ray examination of the chest as arranged by the Health Service:

(*a*) All new students.

(*b*) All final year students.

(*c*) The following students annually:

(i) Medical students.

(ii) Students of the School of Nursing.

(iii) Students whose domicile is not in Canada.

(*d*) Dental students in their first year and last two years.

(*e*) Any student for whom it is considered necessary.

(3) A Clinic Service. Any student may consult a Staff Physician at the Health Service between the hours of 9 a.m. to 4:30 p.m., Monday to Friday, and 9 a.m. to 12:30 p.m. Saturday, while the University is in session. It is essential that students should develop a sense of personal responsibility for the preservation and promotion of their own health. If they are not enjoying good health, they are urged to consult a physician at this clinic.

(4) Athletic Injury Service. The University does not accept any responsibility for injuries sustained by students while engaged in physical education classes or in University athletic activities, but through the Student Health Service, provides for treatment within the following limits. Minor conditions are treated at its offices and at Hart House Surgery during certain hours. In the case of more serious injuries requiring specialist or hospital care, it will provide further treatment within the limits set out hereafter, provided such treatment is taken under the direction and care of staff retained by the Health Service. Treatment is limited to students who have paid the Health Service fee, and who suffer accidents while engaged in, and which arise out of University physical education classes and competitive athletics or physical recreational activities, other than skiing, sponsored by the University of Toronto Athletic Association, the Women's Athletic Association, and by the Hart House Squash Club. Members of the University and Interfaculty Ski Squads, if registered as such with the University of Toronto Athletic Association, are covered while skiing as members of such Squads.

In order to qualify for these benefits, it is necessary to notify the Health Service of injuries within twenty-one days of their occurrence. It shall be the student's responsibility to provide proof of his eligibility for this treatment.

Benefits: If such injuries shall necessitate within 90 days from the date of accident, any of the following benefits, the Health Service will provide:

(*a*) Hospital and Infirmary Benefits. The actual cost of confinement to a licensed hospital or a University Infirmary, but not exceeding $7.00 per day in the case of hospital and $5.00 per day in the case of Infirmary; and for a total period not exceeding ninety days in respect of any one accident to any one student.

(*b*) Certified Specialist Fees. The proper fees of legally qualified and certified specialists in any branch of medicine or surgery, but not exceeding the fees provided for such services in the Ontario Medical Association Schedule of Fees; and in no event exceeding $200 if such injured student is hospitalized for twenty-four or more hours, or $100 for all other cases.

(*c*) Miscellaneous Expenses. The amount expended but not exceeding $100 in any one case for the services of an anaesthetist, the use of an operating room, x-rays, surgical dressings or medicine, if such services and supplies shall be provided in a licensed hospital. Ambulance charges are included in the above.

(*d*) Dental Fees. The cost of dental x-rays and dental fees not exceeding $100 for the treatment of injury to sound, natural teeth.

(*e*) Other Insurance. Where a student is eligible for similar benefits under any other prepaid plan, the University Health Service shall be responsible only for that amount in excess of those other benefits and up to the limits above stated.

Exclusions. The benefits provided by the Athletic Injury Service shall not cover injuries sustained in transit to or from the specified activities. Nor shall it cover hernia or bacterial infections (except pyogenic infections which shall occur through an accidental cut or wound) or any other kind of disease. Nor shall it cover any injury caused directly or indirectly, wholly or partly, by willful misconduct or rowdyism, or by bodily or mental infirmity. Nor shall it cover any costs as the result of accident causing miscarriage, abortion, or aggravation of pregnancy.

(5) Health Education. The Health Service provides health education through individual consultations and at times by lectures on subjects related to the preservation and promotion of health.

For students living away from home who have not a private physician, the following services will, when available, be provided for a nominal additional charge. In the case of students on rehabilitation grants, these charges will be borne by the Department of Veterans Affairs.

(6) A Visiting Service. An initial visit only will be paid for advice and disposal. A nominal charge of $1.00 during the day (9 a.m. to 6 p.m.) and $2.00 at night (6 p.m. to 9 a.m.) is made for this visit and is payable to the Chief Accountant.

(7) An Infirmary Service. This service is for the treatment of minor illnesses only, and is available from October 1st to May 15th, and during the actual session only. A charge of $3.00 per day, payable to the Chief Accountant, is made to cover cost of meals, nursing and routine medications.

Appointments. (a) *Medical Examinations.* These examinations commence immediately after Labour Day in September. The examinations are by appointment only, which may be made either by telephone or in person at the Health Service offices. The importance of keeping and being on time for the appointment as made, cannot be over-emphasized. Undergraduate students in their initial year of attendance at the University, students whose domicile is not in Canada, and all students, graduate or undergraduate, proposing to engage in athletic activities, will be examined first. The remaining years will be offered an opportunity for this examination in succession. Examinations must be completed before March 15th. (b) *X-Ray Examination of Chest.* The Tuberculosis Survey takes place early in the Autumn Term. Arts Men students, and all Women students, make their appointments in person at their respective Health Service offices. Appointments for Men students in faculties other than Arts are made through their Class Presidents. *The Varsity* should be carefully watched for notices relative to all appointments.

Communicable Diseases. Any student who has suffered from one of the communicable diseases must report to the Health Service prior to returning to the University.

Students Whose Domicile is not in Canada. All such students are required to submit with their formal application, a certificate by a qualified medical practitioner stating that:

(1) the student is in good health and free from contagious or infectious disease, and fit to pursue his proposed course of study at this University.

(2) in addition, an x-ray film of the chest has been made within one month of the certification, and shows no evidence of tuberculosis.

They are further warned that their registration is conditional on their passing the required health examination by the University Health Service, which includes an x-ray of the chest and which must be completed within one month of registration.

Fee. The Health Service Fee is included in the "University Incidental Fees" and is paid at the time of registration.

Directory	*Address*	*Telephone*	*Hours Open*
Health Service (Men)	43 St. George St.	MIdway 9644	Monday to Friday, 9 a.m. to 5 p.m. Saturday, 9 a.m. to 1 p.m.
Health Service (Women)	43 St. George St.	MIdway 2646	Monday to Friday, 9 a.m. to 5 p.m. Saturday, 9 a.m. to 1 p.m.

N.B. This office is closed during vacation periods. At these times, general information may be obtained from Health Service (Men), and those eligible for service may make an appointment to see Dr. Frances Stewart or her substitute at her private office, by telephoning KIngsdale 7537.

Hart House Surgery	Hart House	MIdway 5838, Local 201	Monday to Friday, 5 to 6:30 p.m. (during actual session only.)
Infirmary (Men)	42 St. George St.	MIdway 3017	Open October 1st to May 15th and
Infirmary (Women)	Women's Union, 79 St. George St.	KIngsdale 8163	Open October 1st to May 15th

Accidents which occur after 6:30 p.m. (or 1 p.m. on Saturday), or which are of a sufficiently serious nature as to require immediate hospital attendance, should be taken:

Men: To the Emergency Department, Toronto General Hospital, College St.

Women: To the Emergency Department, Women's College Hospital, 76 Grenville St.

To obtain a physician after hours call KIngsdale 8163; if no answer, call KIngsdale 1911, and ask for the University Health Service physician.

UNIVERSITY ADVISORY BUREAU

The University Advisory Bureau seeks to make its own contribution to the life of the University by providing within the University a neutral zone where the student may discuss in freedom and in confidence personal matters of the most fundamental importance to his successful development as a student, as a worker, as a citizen and as a fully effective person.

In keeping with this objective, the Bureau performs the following functions:

(*a*) Through liaison with the University departments, the Registrars' offices and appropriate services on the campus, the Bureau furnishes information and assistance in the financial, educational and personal spheres. The Bureau, for instance, serves as a focal centre for applications to The Veteran-Students' Loan Fund and provides information on other loan facilities, including Navy, Army and Air Force Benevolent Trust Funds. Working with appropriate Registrars' offices, the Bureau helps the student to clarify details regarding entrance requirements, courses of study and related occupational goals. The Bureau is also available for consultation on personal questions involving adjustment to University life, assessment of interests, vocational direction and other matters of a similar nature; where advisable, students are referred to more specialized services.

(*b*) Liaison with D.V.A. The Bureau works closely with the Department of Veterans Affairs, both locally and with Ottawa headquarters, on all matters affecting the interests of ex-service students and in many ways serves as a campus clearing house for problems which might otherwise require to be referred to the Toronto office of D.V.A.

(*c*) Liaison with other universities. In contact with the Advisory Bureaus located at other Universities across Canada, the Bureau seeks to maintain up-to-date information on local variations in all fields significant to students—entrance requirements and application deadlines, courses available, length of training, degrees awarded, etc.

The Bureau is located at 67 St. George Street.

COURSE FOR THE INTERIM HIGH SCHOOL ASSISTANT'S CERTIFICATE, TYPE B

CONDITIONS OF ADMISSION

10. (1) Except as provided in (2) and (3) below, an applicant for admission to the course for an Interim High School Assistant's certificate, Type B, shall make application not later than August 31st, to the Secretary of the Ontario College of Education on an official form to be obtained from the Secretary, and should submit with this application, also on official forms which will be supplied by the Secretary:

(*a*) A certificate from the Deputy Registrar-General of Births, Parliament Buildings, Toronto, or an affidavit by one of the parents or other relative, or other person cognizant of the fact, that the applicant will be at least 20 years of age before October 1st of the year in which he applies for admission.

(*b*) A certificate from a clergyman or other competent authority that he is of good moral character.

(*c*) A certificate of successful vaccination.

(*d*) A certificate from a competent authority that he is a British subject.

(*e*) His certificate of graduation as Bachelor or Master of Arts, Bachelor or Master of Science, Bachelor of Commerce, Bachelor of Science in Agriculture, Bachelor of Applied Science, Bachelor of Household Science, Bachelor of Music[1] or Bachelor of Physical and Health Education, from a British university, after a regular university course approved by the Minister of Education as to admission requirements and as to content of the undergraduate courses.

(2) Before the final admission, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education. The medical examination shall be completed before the opening of the regular College Session.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 23rd, and shall hold themselves in readiness to appear for subsequent further examination as required. *Students are required to be in continuous attendance at the College during the period of the medical examination, September 23rd to 27th.*

(3) Before the final admission, an applicant must also be approved by a Selection Committee consisting of at least three members of the College Staff and a member of the Ontario Secondary School Teachers' Federation, all of whom shall be appointed by the Dean.

(4) In the event of the rejection of an applicant in consequence of the medical examination or by the Selection Committee, and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

(5) An applicant for admission to this course who is not a candidate for the certificate of the Ontario Department of Education must comply with such conditions of admission as the Council of the Ontario College of Education may determine.

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[1]This refers to the degree in the course in School Music of the University of Toronto introduced in 1946.

(6) Applications for admission to the examinations by students not in attendance at the regular session should be made, at least one month before the examinations begin, to the Secretary of the Ontario College of Education, University of Toronto, on an official form to be obtained from the Secretary.

TEXT-BOOKS

11. The text-books for the academic work are those prescribed for the High Schools of Ontario in each subject of the student's course.

For Observation and Practice-teaching students should supply themselves with copies of all necessary school text-books. They should also familiarize themselves with the professional text-books whose titles appear in the lists given below under each subject, beginning with Section 37.

PROGRAMME OF STUDIES

12. (1) The course of training for the Interim High School Assistant's certificate, Type B, consists of two parts as follows:

Part I: (*a*) General professional courses, including an Introduction to Education, Educational Psychology, and School Management and Law.

(*b*) Courses in methods of teaching any *two* [1, 2] of the following:

English
Geography and History
Mathematics
Science
Latin
French
German
Greek
Spanish
Italian

Part II: Observation and Practice Teaching.

(2) Students in attendance in the High School Assistants' course, Type B, may take also, if they possess the required qualifications, a High School Assistant's course, Type A, and a Supplementary course.

(3) Diction and Voice Production.

At the beginning of the session the short course of lectures on Diction and Voice Production mentioned in Section 60 will be given. These

[1]Candidates for High School Assistants' certificates, Type A, as defined in section 18 (1), in selecting their subjects from (*b*) above, must include the corresponding subject or subjects of the High School Assistants' course, Type A.

[2]German, Spanish, Greek and Italian may be chosen only by candidates for the High School Assistants' certificates, Type A, except by permission of the Dean.

lectures will be supplemented by corrective work with students whose need in this respect is revealed in their practice-teaching. Students requiring speech correction may be withdrawn by the Dean from their supplementary courses for this remedial work.

ORGANIZATION OF COURSE

13. (1) The instruction in the special methodology of the subjects of the High School courses shall be accompanied by a review from the academic standpoint of such portions of each subject as may be necessary to determine the scholarship of the students and to illustrate the methods of instruction in that subject, dealing in particular with those parts of the course that are difficult of presentation.

(2) The following introductory work shall be taken up at the beginning of the session:

(*a*) A brief course in the General Method of the Recitation as a preliminary to Observation and Practice-teaching.

(*b*) Supervised Observation and Practice lessons in High School grades. Students shall be notified of the subject and scope of each Observation lesson, and should prepare the lesson beforehand. After observing the lesson they shall discuss it with the teacher or lecturer concerned.

(3) The introductory course defined in (2) above shall be followed by systematic Observation and Practice-teaching, under the general supervision of the lecturers in the Ontario College of Education.

The Observation work shall begin in the third week of the session, and the Practice-teaching in the fifth week. Exclusive of the introductory work, the programme of instruction shall include for each student at least 25 full days of Observation and Practice-teaching. This number may be increased to meet the needs of individual students.

(4) (*a*) The Observation and Practice-teaching for each student shall be arranged to represent as far as practicable the work in all grades of the Lower, Middle, and Upper Schools of the High Schools.

(*b*) From time to time, throughout the College session, students shall be excused from the regular College exercises, and shall be assigned to approved practice-schools for continuous periods of Observation and Practice-teaching. For part of each of these periods of continuous practical work the student shall be wholly responsible for the management of his class.

(5) Students shall be notified of the subject and the scope of each Practice-teaching lesson required and shall prepare a plan of each Practice-teaching lesson for submission to the teacher.

(6) (*a*) The lecturers of the Ontario College of Education shall develop the details of their subjects in the teaching order, and, after each suitable step, model lessons will be taught in special classes and in the practice schools.

(*b*) From time to time, the lecturers of the Ontario College of Education shall be present at the Observation lessons and Practice-teaching of the students and shall join in the criticism and valuation of their work.

EXAMINATIONS

14. (1) The final standing of students in attendance shall be determined by the combined results of the sessional records and the records of the final examinations in the subjects of Part I, and by the results of the records of the Observation and Practice-teaching of Part II.

(2) The sessional records represent oral and written exercises, practical work, practice in making examination papers, and in valuing the answer-papers of pupils, and written examinations which shall test in particular the academic scholarship of the candidates.

(3) At the final examinations in Part I, each paper in the academic subjects shall contain questions in methodology, which shall test also the candidate's academic knowledge and, if his sessional records and his answers to these questions show that his academic knowledge is defective, he shall be rejected on this ground alone.

(4) No student in Science or in Modern Languages shall be recommended for a certificate who is not awarded 50% of the marks assigned to laboratory practice in Science or to the oral practice in the Languages.

(5) The maximum marks assigned to each subject in Part I shall be 100. In all subjects a maximum of 40% of the marks shall be assigned to the sessional records and 60% to the final written examinations.

(6) A maximum of 800 marks shall be assigned to Practice-teaching and of 400 to Observation. The standing of the student in Observation and in Practice-teaching shall be based upon his sessional records in the lessons following those which form part of the introductory courses.

CERTIFICATES

INTRAMURAL CANDIDATES

15. (1) A student who obtains 50% of the marks in each of the required subjects of Part I and 60% of the aggregate of the marks in each of the divisions of Part II, may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim High School Assistant's certificate, Type B.

(2) A student who passes in Part II and fails in not more than one of the required subjects of Part I will be exempted from further attendance.

(3) All other students who have failed to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

EXTRAMURAL CANDIDATES

16. (1) (*a*) Candidates who are exempted from attendance at the Ontario College of Education, as provided in Section 15 (2), may complete their standing for a certificate by re-writing, at an annual examination, the examination in the subject in which they failed.

(*b*) Candidates who failed at an examination under former Regulations and who were exempted from subsequent attendance at the Ontario College of Education shall take, not later than a date determined in each case by the Minister of Education, the final examination papers as prescribed herein but their standing shall be determined in the subjects as constituted under the regulations in force when they first wrote.

(*c*) Candidates who have been exempted by the Minister of Education from attendance at the Ontario College of Education on account of equivalent training in other provinces or countries, or because they hold Permanent First Class certificates issued on the completion of a second session of attendance at a Provincial Normal School, or because they hold Permanent First Class certificates and for at least the last two years of their teaching experience have been graded better than "Average" by the Inspectors on the Teachers' Record Cards, and who are required to write on the final examinations of the Ontario College of Education shall present to the College, on or before February 15th of the year in which they write the final examinations of the High School Assistants' course, Type B, evidence of graduation as required by Section 10 (1) (*e*)[1]; they shall take the prescribed final examinations in the subjects of Part I, and shall also satisfy the examiners that they are competent to teach efficiently the subjects of the High School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

(2) The pass standard for candidates exempt from attendance shall be the same as that for candidates in attendance, as required by Section 15 (1), but no allowance shall be made for sessional work, if any, in the case of candidates not in attendance.

(3) (*a*) Candidates exempt from attendance at the Ontario College of Education under (1) (*c*) above or (4) (*a*) below shall take their practical tests in Part II at such times during the session as may be agreed upon with the examiners, but not later than May 1st. They shall take their examinations in the subjects of Part I at one annual examination at the close of the session on dates to be determined by the examiners.

[1]From candidates exempted from attendance by the Minister, the College will accept in lieu of the actual certificate of graduation, an official statement from the candidate's university that the candidate has completed the work for the degree on or before February 15th of the year in which he presents himself to write the final examinations of the College, and that he will receive the degree at the next regular Convocation of his university.

(*b*) Candidates exempt from attendance may take their written examinations in Part I at the Ontario College of Education, Toronto, or at one of the Provincial Normal Schools outside of Toronto or, in the case of candidates who live in Provincial Districts, at approved local centres where inspectors of schools are available as presiding officers.

(*c*) Candidates exempt from attendance shall take their practical tests at the Ontario College of Education, Toronto, or, in special cases, at local centres under the supervision of the visiting Provincial Inspector. The conditions that determine these cases may be learned from the Ontario College of Education on application at the beginning of the session. A candidate who has failed in the practical tests at the Ontario College of Education or under a Provincial Inspector shall not be admitted to a second practical test during the same College session.

(4) (*a*) Candidates who have fulfilled the requirements for admission to the High School Assistants' course, Type B, and (i) who hold Ontario First Class certificates issued on the completion of one session of attendance at an Ontario Normal School or equivalent training accepted by the Minister, and have had at least three years of successful teaching experience[1] in the Public, Separate, or Continuation Schools of Ontario, or (ii) who hold Permanent Second Class certificates issued on the completion of one session of attendance at an Ontario Normal School and have had at least six years of successful teaching experience in the Public or Separate Schools of Ontario, or (iii) who hold Permanent Second Class certificates issued on the completion of a second session of attendance at an Ontario Normal School, or (iv) who hold interim Vocational certificates and have had at least two years of successful teaching experience in the Vocational Schools of Ontario, shall be exempted from attendance at the Ontario College of Education but shall attend the Summer course for a High School Assistant's certificate, Type B, conducted by the Department of Education, and shall take the final examinations of the Summer course in the prescribed subjects of Part I. They shall also satisfy the examiners that they are competent to teach efficiently the subjects of the High School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

(*b*) A candidate who has been duly admitted to the Summer Session for the High School Assistant's certificate, Type B, who attends throughout the session, and who successfully passes the examinations at the close of the session, may, on the recommendation of the examiners, be

[1]Service personnel may count a year of service for a year of teaching experience, up to a maximum of two years, but *such candidates will be required to take a practical test in teaching.*

awarded by the Minister of Education an Interim High School Assistant's certificate, Type B. The recommendation, however, will be withheld until the candidate has satisfied the examiners as indicated in (4) (*a*) above that he is competent to teach efficiently the subjects of the High School courses.

(*c*) Candidates who have obtained Interim Vocational certificates by attendance at the Ontario Training College for Technical Teachers or the Ontario College of Education, and who in addition to the practice teaching lessons required for a Vocational certificate, have taught to the satisfaction of the staff of the Ontario College of Education, at least ten lessons in academic subjects (English, Mathematics and Science) shall be exempted from the practical test in teaching.

(*d*) Candidates who have attended the Summer Course or have been exempted from attendance under (i) (*c*) above, and who fail in one or more of the various tests prescribed for an Interim High School Assistant's certificate, Type B, may complete their standing for said certificate under the following conditions: (i) candidates who fail in the practical test in teaching shall be admitted to a second test in a subsequent College Session; (ii) candidates who fail in more than one subject of Part I shall rewrite at one annual examination of the College Session the examinations in all prescribed subjects of Part I; (iii) candidates who fail in not more than one subject of Part I may rewrite at an annual examination of the College Session, the examination in the subject in which they failed; (iv) candidates who do not pass the final examinations of the Summer Session will be required to take the final examinations of the regular College Session within three years of having attended a Summer Session in this course, or must re-attend the Summer Session in order to be eligible for admission to the examinations for an Interim High School Assistant's certificate, Type B.

(*e*) Other candidates who hold an Ontario First or Second Class certificate with the academic standing required for admission to the High School Assistants' course, Type B, shall be exempted from attendance during the Autumn term[1]; but shall take all sessional tests held in the Winter and Spring terms and all the final examinations prescribed for Part I and shall also satisfy the examiners by practical tests that they are able to teach the subjects of the High School courses.

COURSES FOR INTERIM HIGH SCHOOL ASSISTANTS' CERTIFICATES, TYPE A

CONDITIONS OF ADMISSION

17. (1) Applicants for admission to the courses for Interim High School Assistants' certificates, Type A, or to the final examinations for said certifi-

[1]Application for admission to the College at the beginning of the second term in January should be made not later than December 1st. Enrolment in January may be limited according to the available accommodation.

cates, shall also be applicants for admission to the course for the Interim High School Assistant's certificate, Type B, or shall be applicants for admission to the examinations therefor without attendance throughout the session, or shall already hold High School Assistants' certificates. No candidate will be awarded an Interim High School Assistant's certificate, Type A, or receive credit towards said certificate *before* he has been awarded an Interim High School Assistant's certificate, Type B.[1]

(2) A candidate for an Interim High School Assistant's certificate, Type A, who is also a candidate for admission to the course for an Interim High School Assistant's certificate, Type B, shall comply with the conditions for admission prescribed for candidates for the Interim High School Assistant's certificate, Type B, and shall submit evidence of standing not lower than 66% in the final or graduation courses approved by the Minister of Education.

(3) The applicant whose standing is below 66% but not lower than 60% in these approved courses will be admitted to the final examinations leading to the Interim High School Assistant's certificate, Type A, on submitting evidence from the Principal and High School Inspector of at least ten years' teaching experience, graded better than average, in a High School, Collegiate Institute or Vocational School of Ontario subsequent to obtaining the academic standing referred to above.

COURSES[2]

18. (1) Courses shall be offered for Interim High School Assistants' certificates, Type A, in Agriculture, Classics, English and French, English and Latin, English, Geography, History, French and German, French and Italian, French and Spanish, Latin and French, Latin and Greek, Mathematics, Mathematics and Physics, Science, Physics and Chemistry, Physics and Biology, Chemistry and Biology, and Home Economics.

(2) Courses shall also be offered leading to Interim High School Assistants' certificates, Type A, in Physical Education, Art and Crafts, Instrumental Music, and Vocal Music, under the conditions defined in Section 26.

(3) Each Type A course shall consist of at least the equivalent of two seminar-periods per week throughout the Session and of special Observation and Practice-teaching in the subjects in which the candidate is an applicant for a High School Assistant's certificate, Type A.

TEXT-BOOKS

19. Students in the courses for High School Assistants' certificates, Type A, shall supply themselves with such special professional text-books as may be recommended by the instructors from the lists given under the details of each course. The other books and journals, whose names appear in these lists, may be consulted in the library of the Ontario College of Education.

EXAMINATIONS

20. (1) Subject to the condition that no student may be awarded an

[1]See Section 1 (2), page 8.
[2]See footnotes 1, 2, page 20.

Interim High School Assistant's certificate, Type A, who does not already hold or is not also awarded an Interim High School Assistant's certificate, Type B, the final standing of students in attendance in the High School Assistants' courses, Type A, shall be determined by the records of the Practice-teaching in the department or subject concerned, and by the combined results of the sessional records and the records of the final examinations in the same department or subject. The sessional records represent oral and written exercises, practical work, practice in preparing examination papers, and in valuing the answer-papers of pupils, and such term work as the instructors may prescribe. The records of the final examinations shall be based upon two examination papers taken in each department at the close of the session. The maximum marks represented in the Practice-teaching shall be 100; in the sessional records 40; and in the final written examinations of the department or subject 60.

(2) The final standing of students not in attendance shall be determined by the final written examinations and by teaching in the department concerned. For this purpose the maximum of marks in each case shall be 100.

CERTIFICATES

21. (1) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A, referred to in Section 18 to students in attendance who have fulfilled the conditions of the course for the Interim High School Assistant's certificate, Type B, and in their High School Assistants' course, Type A, have obtained (*a*) 66% of the aggregate of marks represented in the sessional records and the records of the final examinations and (*b*) 66% of the marks assigned to the Practice-teaching.

(2) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A, of Section 18 (1) to students exempt from attendance who hold or are awarded High School Assistants' certificates, who are duly qualified for admission to a High School Assistants' course, Type A, and who obtain 66% of the marks assigned to the written examinations and to the Practice-teaching, respectively, in the High School Assistants' course, Type A, concerned.

(3) Students who are awarded Interim High School Assistants' certificates, Type A, in Home Economics under (1) and (2) above and who hold or obtain First or Second Class certificates may have their High School Assistants' certificates, Type A, endorsed as valid in the Home Economics departments of the Public and Separate Schools.

(4) (*a*) For students not in attendance the written examinations in the courses for Interim High School Assistants' certificates, Type A, of Section 18 (1) will be held at the close of the session at such centres and under such conditions as are set out in Section 16 (3).

(*b*) For students not in attendance the practical examinations shall be held at the Ontario College of Education, Toronto, or at local centres as prescribed in Section 16 (3).

SUPPLEMENTARY COURSES

22. Students in attendance in the High School Assistants' course, Type B, may take also *one* of the following Supplementary courses[4]:

I. Course for the Elementary Physical Education certificate, Type A.
II. Course for the Elementary Art and Crafts certificate.
III. Course for the Elementary Vocal Music certificate, Type A.
IV. Course for the Elementary Instrumental Music certificate, Type A.
V. Course for the Elementary Commercial certificate.[1]
VI. Course for the Elementary Industrial Arts and Crafts certificate, Type A.[2]
VII. Course for the Intermediate Home Economics certificate.[3]
VIII. Course for the First Class certificate.[2]

Within one month of the beginning of the above Supplementary courses, the student shall satisfy the instructor of the Supplementary course he has chosen that he is adapted to the study of the course, or his registration in the Supplementary course shall be cancelled.

23. (1) The subjects of supplementary courses I-VIII shall be those set forth in Sections 54-59 and 33 respectively. Observation and Practice-teaching are obligatory in each of these supplementary courses.

(2) Students in supplementary courses I-VIII shall supply themselves with such text-books and equipment as may be recommended.

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[1]Admission to this course is restricted to students who submit evidence of having a satisfactory functional knowledge of the elementary principles of Bookkeeping, Shorthand and Typewriting, or of having successfully completed an approved course in Bookkeeping, Shorthand and Typewriting in a Vocational secondary school or at a university. A student who submits the required evidence with respect to *two* of the three subjects mentioned above may be allowed by the Dean to proceed with the course. A supplementary course for beginners in Bookkeeping, Shorthand, Typewriting and Penmanship is also open to any one who wishes to commence the study of these subjects with the intention of continuing in commercial education. Upon the successful completion of the beginners' course, a subsequent Summer Session would be required to obtain the Elementary certificate.

[2]The Supplementary courses leading to the First Class certificate and to the Interim Elementary Type A certificate in Industrial Arts and Crafts may not be completed in the regular College session, but require, in the First Class course, one subsequent Summer session and in the Industrial Arts and Crafts course two subsequent Summer sessions before the candidates will be recommended for the certificates.

[3]Admission to this course is restricted to students who submit evidence of graduation, with a standing not lower than 60% in the Home Economics of the final year from a University course approved by the Minister of Education in which, for at least the last two years of the course, Home Economics has been a regular subject of study.

[4]Any student may, with the approval of the instructor, take the Elementary courses in both Vocal Music and Instrumental Music.

EXAMINATIONS OF SUPPLEMENTARY COURSES I-VII[1]

24. (1) PHYSICAL EDUCATION:

Practical Tests:

FOR WOMEN: Gymnastics, Games, Rhythmics.

FOR MEN: Basic Drill, Gymnastics, Apparatus, Games, Swimming.

Fifty per cent of the marks in each of the practical tests shall be assigned to the sessional and fifty per cent to the final tests.

Written Examination:

Theory, Methods and Materials.

(2) ART AND CRAFTS:

Practical Tests:

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering.

Written Examinations:

Theory and History of Art and Crafts, Methods of Teaching Art and Crafts.

(3) VOCAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Voice Training and Song Material, Conducting.

Written Examinations:

Rudiments of Music, Music Appreciation, Methods.

(4) INSTRUMENTAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Technical Training, Conducting.

Written Examination:

Methods.

(5) COMMERCIAL SUBJECTS:

Practical Tests:

Shorthand Practice, Typewriting, Penmanship.

Written Examinations:

Shorthand Theory, Bookkeeping, Methods.

(6) INDUSTRIAL ARTS AND CRAFTS:

Practical Tests:

Draughting, Woodworking, Sheet Metal Work, Machine Shop Practice.

Written Examination:

Methods of instruction and class organization of the General Shop.

(7) HOME ECONOMICS:

Practical Tests:

Meal Management; Care of the Home and Family; Clothing—Selection, Construction and Care.

Written Examination:

Theory and Methods.

[1]See Section 35 for Course VIII.

CERTIFICATES FOR SUPPLEMENTARY COURSES I-VII[1,2]

25. (1) On the recommendation of the examiners the Minister of Education may grant an Elementary certificate in Art and Crafts or an Elementary Commercial certificate or an Elementary Type A certificate in Physical Education or Vocal Music or Instrumental Music or an Intermediate certificate in Home Economics, or standing in Part I of the course for the Elementary Type A certificate in Industrial Arts and Crafts, as the case may be, to a student in the course for an Interim High School Assistant's certificate, Type B, provided that the said student is awarded an Interim High School Assistant's certificate, Type B, and obtains a minimum of 60% of the marks assigned to practice-teaching and (*a*) in Art and Crafts or Physical Education or Industrial Arts and Crafts a minimum of 50% of the marks assigned to each subject of the written examination and 60% of the marks assigned to each subject of the practical tests, or (*b*) in Commercial subjects a minimum of 50% of the marks assigned to each subject, or (*d*) in Vocal Music or Instrumental Music or Intermediate Home Economics a minimum of 60% of the marks assigned to each subject of the written examination and practical tests.

No student shall be recommended for a certificate or for standing in Art and Crafts or Physical Education or Vocal Music or Instrumental Music or Industrial Arts and Crafts or Home Economics or Commercial Subjects whose attendance or progress in any part of the course has been reported as unsatisfactory.

(2) The Dean shall investigate the claims of the candidates for the Elementary Type A certificate in Physical Education who report themselves as unable for physical reasons to take the course in swimming, provided that such claims are presented to the instructor on a form and after a manner defined by the Minister of Education. Candidates who are exempted by medical certificate from the course in swimming and candidates who have failed to obtain pass standing in the course in swimming may be awarded Elementary Type A Physical Education certificates endorsed "not including swimming".

(3) On the recommendation of the examiners, the Minister of Education may permit candidates in the supplementary courses I-VII who have been awarded Interim High School Assistants' certificates, Type B, and have obtained a minimum of 60% of the marks assigned to practice-

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[1]The certificates which are mentioned herein are those valid for teaching in High Schools, i.e., in Physical Education, the Elementary Type A, and the Type A; in Vocal Music and Instrumental Music, the Elementary Type A, and the Type A; in Art and Crafts, the Elementary, Intermediate, and Type A; in Industrial Arts and Crafts, the Elementary Type A; in Home Economics, the Intermediate; and in Commercial Subjects, the Elementary.

[2]See Section 36 for Course VIII.

teaching but have failed to obtain standing in their respective courses to complete their standing in said courses under the following conditions:

(i) In Physical Education or Industrial Arts and Crafts or Home Economics, candidates who fail in the written examination, but pass in all the subjects of the practical tests may complete their standing by passing in the written examination at a subsequent examination without further attendance; candidates who pass in the written examination but fail in one or more of the subjects of the practical tests may complete their standing by passing in the subjects concerned at a subsequent Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(ii) In Art and Crafts or Vocal Music or Instrumental Music, candidates who fail in not more than two subjects of the written and practical tests may complete their standing by passing in the subjects concerned at a subsequent examination without further attendance, but in the subjects of the practical tests such candidates must try the tests conducted at the Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(iii) In the Commercial course, candidates shall be allowed credit towards an Elementary certificate in the subject or subjects in which they are successful.

COURSES FOR THE INTERMEDIATE TYPE A CERTIFICATES IN ART AND CRAFTS AND THE HIGH SCHOOL ASSISTANTS' TYPE A CERTIFICATES IN PHYSICAL EDUCATION, ART AND CRAFTS, VOCAL MUSIC AND INSTRUMENTAL MUSIC[1]

26. (*a*) Students in the High School Assistants' Course, Type B, who have completed the course for the Elementary certificate in Art and Crafts, or students whose progress and efficiency in the Elementary course in Art and Crafts as determined by the tests of the Autumn term, justify such action may, with the approval of the instructor concerned, be admitted to the Intermediate course in Art and Crafts not later than the beginning of the Winter term in January. Admission to the Intermediate course in Art and Crafts shall not be granted, however, to students who are registered in one of the High School Assistants' courses, Type A, listed in Section 18 except in the case of those referred to in (*d*) below.

(*b*) A student who does not hold an Elementary certificate in Art and Crafts and who is admitted to the Intermediate course in Art and Crafts under (*a*) above shall take both the Elementary course and the Intermediate course, and shall not be awarded an Intermediate certificate until or unless he secures an Elementary certificate.

[1]The courses for the Intermediate certificates in Physical Education, Vocal Music and Instrumental Music will be given only in Summer Sessions.

(*c*) Admission to the High School Assistants' course, Type A, in Physical Education as well as the Elementary course in Physical Education will be granted to students (i) who hold the degree of Bachelor of Physical and Health Education of the University of Toronto with a final standing not lower than 60%, or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and who hold the degree of Bachelor of Physical and Health Education of Queen's University with a final standing not lower than 60%, or (iii) who hold the degree of Bachelor of Arts of the University of Western Ontario obtained in the honour course[1] in Physical Health and Recreation Education, with a final standing not lower than 60%.

(*d*) Admission to the High School Assistants' course, Type A, in Art and Crafts as well as the Elementary and Intermediate courses in Art and Crafts will be granted to students who hold the degree of Bachelor of Arts of the University of Toronto obtained in the honour course in Fine Art or in Art and Archaeology with a final standing not lower than 60%.

(*e*) Admission to the High School Assistants' course, Type A, in Vocal Music[2] will be granted to students (i) who hold either the degree of Bachelor of Arts of the University of Toronto obtained in the honour course in Music or the Bachelor of Music degree of the University of Toronto obtained in the course in School Music,[3] with a standing of at least 60 per cent., or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the degree of Bachelor of Music of the University of Toronto obtained in the course in General Music, or (iii) who are otherwise qualified to enter the High School Assistant's course, Type B, and hold the teacher's or performer's diploma of the Royal Conservatory of Music of Toronto, or the Special Music certificate of Queen's University, or the Associate (teacher's) diploma of the Western Ontario Conservatory of Music, or the Diploma of Music Graduate in Pedagogy of the University of Western Ontario.

Admission to the High School Assistants' Course, Type A, in Instrumental Music will be granted to students who hold the Bachelor of Music Degree of the University of Toronto obtained in the course in School Music.[3]

27. Students admitted to the High School Assistants' course, Type A, in Physical Education, Art and Crafts, Vocal Music or Instrumental Music under Section 26 (*c*) (*d*) or (*e*) shall not pay an additional tuition fee, but shall supply themselves with such text-books as may be recommended by the instructors from the lists given under the details of those subjects.

28. (1) The subjects of the course for Intermediate certificates in Art and Crafts are to be found in Section 55.

(2) Observation and Practice-teaching is obligatory in this course.

[1]Graduates of this course with the Recreation option are not eligible for the Type A course in Physical and Health Education.

[2]Students of the Type A course in Vocal Music may, with the approval of the instructor, take the Elementary course in Instrumental Music.

[3]This refers to the degree in the course in School Music of the University of Toronto, introduced in 1946.

EXAMINATIONS

29. ART AND CRAFTS:

Practical Tests:

Drawing and Painting, Modelling and Model-making, Industrial and Decorative Design.

Written Examinations:

Theory and History of Art and Crafts, Classroom Methods and Problems.

CERTIFICATES

30. (1) On the recommendation of the examiners the Minister of Education may grant an Intermediate certificate in Art and Crafts to a student in the course for an Interim High School Assistant's certificate, Type B, provided that the said student is awarded an Interim High School Assistant's certificate, Type B, and obtains a minimum of 66% of the marks assigned to practice-teaching and a minimum of 50% of the marks assigned to each subject of the written examinations and 60% of the marks assigned to each subject of the practical tests.

(2) (*a*) On the recommendation of the examiners, the Minister of Education may grant High School Assistants' certificates, Type A, in Physical Education, Art and Crafts, Vocal Music or Instrumental Music to those admitted under Section 26 (*c*), (*d*), or (*e*) who fulfil the conditions stated in Sections 20 and 21 (1).

(*b*) Students who are awarded Interim High School Assistants' certificates, Type A, in Physical Education, Art and Crafts, Vocal Music or Instrumental Music under Section 26 (*c*), (*d*) or (*e*) and who hold, or obtain, Second or First Class certificates may also be awarded Supervisors' certificates valid in Public and Separate Schools.

(3) On the recommendation of the examiners, the Minister of Education may permit candidates in the Intermediate course in Art and Crafts who have been awarded Interim High School Assistants' certificates, Type B, and have obtained a minimum of 66% of the marks assigned to practice-teaching but have failed to obtain standing in the course to complete their standing in said course under the following conditions:

Candidates who fail in not more than two subjects of the written and practical tests may complete their standing by passing in the subjects concerned at a subsequent examination without further attendance, but in the subjects of the practical tests such candidates must try the tests conducted at the Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

COURSE FOR THE FIRST CLASS CERTIFICATE[1]

The course is conducted in accordance with the conditions prescribed in the Regulations, Examinations and Courses of Study of the Ontario Normal Schools. It may not be completed in the regular College session but requires a subsequent Summer Session before the candidates will be recommended for the certificate.

CONDITIONS OF ADMISSION

31. Applicants for admission to the course for the Interim First Class certificate or to the final examinations for said certificate shall comply with the conditions of admission and attendance prescribed for candidates for the Interim High School Assistant's certificate, Type B. No candidate will be awarded an Interim First Class certificate before he has been awarded an Interim High School Assistant's certificate, Type B.

TEXT-BOOKS

32. The text-books for the academic work of the course shall be those prescribed in each subject for the High, Public and Separate Schools.

Books of Reference:

Bartlett: Junior Athletics.
Burton: The Guidance of Learning Activities.
Burwell and Clute: To You the Torch.
Fenwick: Teacher's Manual, High Road Music Series.
Gaitskell: Art Education in the Province of Ontario.
Gibbs: The Teaching of Art in Schools.
Hill: School Music.
McKee: The Teaching of Reading.
MacLeod: Citizenship Training.
Mehl, Mills, Douglass: Teaching in Elementary School.
Mustard: By Map and Compass.
Myers: Toward Mental Health.
Neilson and VanHagen: Physical Education for Elementary Schools.
Partridge: Natural Science, A Seasonal Programme.
Salt and Fox: Teaching Physical Education in the Elementary School.
Saucier: Theory and Practice in the Elementary School.
Simpson: Fundamentals of Educational Psychology.

PROGRAMME OF STUDIES

33. The course of training, which is supplementary to the course of training for the Interim High School Assistant's certificate, Type B,

[1]Course VIII as listed in Section 22.

includes the following subjects some of which will be offered in the regular College session, the remainder in a Summer Session:

Part I: Educational Psychology; School Management; English, Part I; English, Part II; Mathematics; Social Studies; Science and Agriculture; Art; Music; Physical Education; Health; Industrial Arts.

In the development of the methodology of the course, emphasis shall be laid upon the correlation and integration of the subjects, and upon the importance of wholesome, vigorous, shared activities, directly connected with the learner's capacities and interests. The teacher's main function shall be represented as the stimulation and guidance of the learner, through the control of the regulating environment of the school; this postulates freedom and responsibility for the teacher and demands positive, definite teaching.

Part II: Observation and Practice-teaching—at least ten full days—to be conducted under conditions defined in Ontario Normal School courses for the Interim First Class certificate.

MODIFICATIONS OF THE COURSE

34. (1) Students who take the Mathematics and/or Science option of the Interim High School Assistants' course, Type B, shall be exempted from Mathematics (except Arithmetic) and/or Science.

(2) Students who hold Provincial professional certificates in Physical Education, Writing, Music, Art, Agriculture, Manual Training, or Home Economics shall be exempted from the examinations thereon but will take the Observation and Practice-teaching therefor.

(3) Candidates who hold Provincial Second Class certificates and who take Latin and a second language as options of the interim High School Assistants' course, Type B, shall be exempted from the instruction and examinations in all subjects of the Interim First Class course except Mathematics, Science and Agriculture, and Health and Physical Education, while those who hold Provincial Second Class certificates and take Mathematics and Science as options shall be exempted from the instruction and examination in all subjects of the Interim First Class course except Agriculture, and Health and Physical Education.

EXAMINATIONS

35. (1) Subject to the condition that no student may be awarded an Interim First Class certificate who does not already hold, or is not also awarded an Interim High School Assistant's certificate, Type B, the final standing of the students in attendance in the course for an Interim First Class certificate shall be determined by the records of the Observation and Practice-teaching and by the combined results of the sessional records and the records of the final examinations in such course. Subject to the same

condition, the final standing of candidates not in attendance shall be determined by the records of the final written examinations and of Practice-teaching.

(2) The examinations in the subjects of the course for an Interim First Class certificate shall be conducted, *pari passu*, in the terms and under the conditions set out in the Normal School Courses for the Interim First Class certificate.

CERTIFICATES

36. (1) (*a*) Subject to the conditions of Section 35 (1), and to the conditions defined in Ontario Normal School courses for the Interim First Class certificate, a candidate who obtains 60% of the marks in each subject of the course and 60% of the aggregate of the marks in each of Observation and Practice-teaching may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim First Class certificate.

(*b*) Subject to the same conditions, a candidate who passes in Observation and Practice-teaching and fails in not more than two subjects shall be exempted from further attendance and may complete his course for an Interim First Class certificate by rewriting at one annual examination the examinations in the subject or subjects in which he failed.

(2) All candidates other than those referred to in (1) (*b*) above who have failed to obtain the necessary final standing will be required to attend such other sessions as the Minister may prescribe.

(3) Section 16 (1) (*a*), (*b*), (2) and (3) (*b*), which apply to the candidates for the Interim High School Assistant's certificate, Type B, who are exempt from attendance, shall apply also, *pari passu*, to candidates for the Interim First Class certificate who are exempt from attendance.

(4) The Regulations of the Department of Education respecting Permanent First Class Certificates are contained in the Department's Circular No. 72. Holders of Interim First Class Certificates obtained after training at the Ontario College of Education are referred to Regulations III (2).

DETAILS OF SUBJECTS

The details of the subjects of the courses for Interim High School Assistants' certificates, Types A and B, for Elementary Certificates in Physical Education, for Elementary and Intermediate certificates in Art and Crafts, for Elementary certificates in Instrumental Music and Vocal Music, for Intermediate certificates in Home Economics, and for standing in Elementary Industrial Arts and Crafts, are set out below.

For the course for the First Class certificate these details and subjects shall be supplemented by the details and subjects set out in the Normal School courses for the First Class certificate.

INTRODUCTION TO EDUCATION

37. (i) Instruction regarding types of lessons, preparation of lesson plans, etc., preliminary to Observation and Practice-teaching in schools. Demonstration lessons followed by discussions of the principles involved will be arranged throughout the Autumn term.

(ii) The school and society: purposes and aims of education, relationship of the school to the home and community and to other educational agencies, major problems of secondary education, survey of the chief contributions of outstanding philosopher-educationists since 1800; current school of educational thought, library practice. Teacher appraisal. Audio-visual aids. Guidance and counselling.

Books of Reference:

Brameld: Ends and Means in Education—A Mid-Century Appraisal.
Canadian Education Association: Report of the Survey Committee. Trends in Education, 1944.
Canadian Youth Commission: Youth Challenges the Educators.
Kirkendall, Luenzli and Reeves: Goals for American Education.
Livingstone: On Education.
Ulich: Three Thousand Years of Educational Wisdom.
Wahlquist: The Philosophy of American Education.

EDUCATIONAL PSYCHOLOGY

38. (i) The psychology of adolescence.
(ii) The psychology of adjustment.
(iii) The mental health of the pupil and teacher.
(iv) The psychology of learning.
(v) Intelligence: individual differences.

Books of Reference:

Burton: The Guidance of Learning Activities.
Cole: The Psychology of Adolescence.
Garrison: Psychology of Adolescence (4th Ed'n).
Gates, Jersild, McConnell and Challman: Educational Psychology.
Griffin, Laycock and Line: Mental Hygiene.
Hilgard: Theories of Learning.

SCHOOL MANAGEMENT AND LAW

39. School Management, School Organization, School Administration; aims and scope of each; relation of each to the teaching process.

The Ontario school system: Department of Education, and its organization and functions; local administrative units; school boards, their selection, organization and functions; types of schools; school finance and business administration; relation to other public services.

The High School plant: provision, maintenance, care and use; special accommodations; relation to community activities.

The High School curriculum: aim, structure and use; texts; extra-curricular activities.

The High School pupil: attendance, rights, duties, guidance.

The High School teacher: professional status; personal qualifications; training and certification; appointment, tenure, payment, superannuation; duties in relation to trustees, parents and other citizens; duties in relation to supervisors, colleagues and pupils; freedom and responsibility.

High School organization: admission, exclusion, classification, grading, promotion, tests of progress, records and reports, recommendations, staff-meetings, time-tables, supervised study, homework.

Supervision: inspectors, principals, heads of departments; their powers and duties.

Discipline: aim and scope; relation to methods of teaching; incentives; causes of disorder and inattention; methods of dealing with weaknesses and delinquencies.

School Law and Regulations: Public Health Acts and Regulations in so far as they refer to the duties of school boards, teachers and pupils.

Books of Reference:

Regulations and Courses of Study for the Public, High and Continuation Schools of Ontario.
Ontario School Acts and Public Health Act.
Althouse: Structure and Aims of Canadian Education.
Bagley: Classroom Management; School Discipline.
Barr, Burton and Brueckner: Supervision.
Briggs: Secondary Education.
Cameron: The Financing of Education in Ontario.
Carpenter and Rufi: The Teacher and Secondary School Administration.
Cubberley: The Principal and his School.
Douglass and Boardman: Supervision in Secondary Schools.
Espy: The Public Secondary School.
Gowers: Plain Words.
Great Britain Ministry of Education, Pamphlet No. 17, Challenge and Response.
Highet: The Art of Teaching.
Johnston: High School Education.
Koos, *et al.*: Administering the Secondary School.
Lewis: The Administration of Education of Ontario.
Maxwell and Kilzer: High School Administration.
Simon: Preface to Teaching.
Uhl: Principles of Secondary Education.
Wrinkle: Secondary Education.

ENGLISH

40. (1) *Literature.*—The place of literature in school courses; the principles followed in Ontario and elsewhere in arranging literature courses

for schools; books suitable for intensive and extensive study in the various forms or grades of the school; class treatment of such types of literature as the short poem, the long narrative poem, the play, the essay, the short story, and the novel; examinations in literature; supplementary reading, its importance, selection of books, testing of reading.

The course in literature includes a consideration of the problems connected with the teaching of silent and expressive reading.

(2) *Composition.*—The aim in teaching composition; principles to be followed in arranging a course; the place of grammar and of rhetoric in the High School course; the use of models; choice and variety in subjects; assigning, valuing and correcting compositions; special problems of oral composition.

Books of Reference:

Ballard: Teaching the Mother Tongue.
Ballard: Thought and Language.
Bradby: About English Poetry.
Bradby: About Shakespeare and His Plays.
Brophy: English Prose.
Diltz: Poetic Pilgrimage.
Diltz: Pierian Spring.
Haddow: On the Teaching of Poetry.
Pocock: Pen and Ink.
Webster and Smith: Teaching English in the Junior High School.

SEMINAR IN ENGLISH

For Type A candidates in English and, in part, English and French, and English and Latin.

41. A consideration of the following phases of the teaching of English: (*a*) courses of study, (*b*) presentation of difficult topics, (*c*) special methods of teaching.

Books of Reference:

Abercrombie: Poetry—Its Music and Meaning.
Ballard: Teaching The Mother Tongue.
Ballard: Thought and Language.
Diltz: Poetic Pilgrimage.
Diltz: Pierian Spring.
Gurrey: The Appreciation of Poetry.
Hixson and Colodny: Word Ways.
Joseph: Elizabethan Acting.
Morris: The Quality of Learning.
Society for Pure English: Tracts 4, 6, 10, 11, 12, 15, 16, 18, 24, 36, 39, 46.
Thouless: Straight and Crooked Thinking.
Watts: The Language and Mental Development of Children.
Weekley: Something About Words.

SOCIAL STUDIES: GEOGRAPHY AND HISTORY

42. The values of these subjects in the educational programme; the High School courses of study; examination of various possible procedures in teaching; special problems in geography and in history; special matters (map work, local observations, community histories, current events, citizenship); methods of testing and grading; books and other equipment for teaching.

Books of Reference:

Assistant Masters: The Teaching of Geography.
Assistant Masters: The Teaching of History.
Barnard: Principles and Practice of Geography Teaching.
Bining: Teaching the Social Studies in Secondary Schools.
Bowman: Geography in Relation to the Social Studies.
Dray and Jordan: Handbook of Social Studies in Secondary Schools.
Fairgrieve: Geography in School.
Hemming: Teaching of Social Studies in Secondary Schools.
Kohn: Geographic Approach to Social Studies.
Peattie: The Teaching of Geography.
Schutte: The Social Studies on the Secondary School Level.
Stormzand and Lewis: New Methods in the Social Studies.
Wesley: Teaching the Social Studies.
Journal of Geography—selected articles on Geography. Bound.
The School—Bound volumes.
The Social Studies—Bound volumes and current issues.
Yearbook—National Council for the Social Studies.

SEMINARS IN GEOGRAPHY AND IN HISTORY.

43. (1) For Type A Candidates in Geography.

A study of such geographical matters as types of climate, local surveys; the presentation of selected topics; consideration of suitable equipment for teaching geography; an assessment of the place of geography in the curriculum.

(2) For Type A Candidates in History.

A more intensive study of principles and practices in the teaching of history; the organization of specific teaching units in successive grades; the discussion of topics of related interest, designed to broaden professional perspective.

MATHEMATICS

44. *General Mathematics.*—The content and methodology of the prescribed courses for Grades IX and X, including commercial arithmetic and mensuration.

Algebra and Geometry.—The content and methodology of the Middle School courses prescribed in the "Courses of Study and Examinations of the High Schools, Collegiate Institutes and Continuation Schools."

Books of Reference:

Breslich: The Technique of Teaching Secondary School Mathematics.
Brueckner and Grossnickle: How to Make Arithmetic Meaningful.
Durrell: The Teaching of Elementary Algebra.
Godfrey and Siddons: The Teaching of Elementary Mathematics.
Lennes: The Teaching of Arithmetic.
Mills: The Teaching of Modern Arithmetic.
Minnick: Teaching Mathematics in the Secondary Schools.
National Council of Teachers of Mathematics: 5th, 7th, 10th and 17th Year-books.
Roantree and Taylor: An Arithmetic for Teachers.
Schultze: The Teaching of Mathematics in Secondary Schools.
Smith and Reeve: The Teaching of Junior High School Mathematics.
Sumner: The Teaching of Arithmetic and Elementary Mathematics.
Taylor: Arithmetic for Teacher Training Classes.
Young: The Teaching of Mathematics.
Articles in "The Mathematics Teacher."

SEMINAR IN MATHEMATICS

(For Type A Candidates in Mathematics and, in part, Mathematics and Physics.)

45. The seminar in mathematics will discuss methods in trigonometry and statics and the more advanced parts of Algebra and geometry; the order of presenting the parts of these subjects so as to secure the most logical and impressive relation among the parts; the relations of the subjects themselves; the place of the teacher in dealing with more mature minds; the history and development of such special topics as the algebraic equation, the vulgar and decimal fraction, loci, maxima and minima, the more difficult theorems on the conic sections; examinations in mathematics, their purpose, when they should be held, the character of the paper, methods of marking, making the classroom attractive with pictures and mathematical equipment, mathematical books to interest pupils and teachers, etc.

Books of Reference:

Bell: Development of Mathematics.
Bell: Men of Mathematics.
Boyer: An Introduction to Mathematics for Teachers.
Butler and Wren: The Teaching of Secondary Mathematics.
Cajori: A History of Mathematics.
Fink: A Brief History of Mathematics.
Lieber: The Education of T.C.Mits.
Merriman: To Discover Mathematics.
Moore & Mira: The Gist of Mathematics.
National Council of Teachers of Mathematics Year-books.

Nunn: The Teaching of Algebra, including Trigonometry.
Schultze: The Teaching of Mathematics in Secondary Schools.
Whitehead: An Introduction to Mathematics.
Young: The Teaching of Mathematics.
Articles in "School Science and Mathematics," and "The Mathematics Teacher."

SCIENCE

46. The following are the main topics of the course:

A. Scope and value of the natural sciences; meaning of science and scientific method; educational value of science; inductive and deductive methods of investigation.

Experimental work; how conducted, how recorded; manipulation of apparatus; making of simple apparatus; classroom discussion, its purpose, method, and relation to the experimental work; the use of text-books; note-books, method of inspection, drawing; reference books, most suitable books in each subject for the library; supplementary reading; methods in general science in Grades IX and X, illustrated in lessons upon subjects difficult of presentation.

B. Laboratory equipment for the teaching of general science, and of physics, chemistry, and biology; methods of demonstration; use of technical terms; theories, facts, scientific laws; text-books and reference books.

Chemistry: Order of treatment; introductory work. Methods of conducting instruction in chemistry will be discussed, and illustrated in lessons upon subjects selected from such topics as the following: chemical laws and theories; valency; formulae and equations; nomenclature; qualitative and quantitative experiments; chemical arithmetic; the elements, with sodium and chlorine as types; chemical equilibrium; ionization in solution; structure of atom.

Physics: Methods of conducting instruction in the more difficult parts of the courses in heat, light, sound, magnetism, electricity, and mechanics will be discussed and illustrated in lessons upon subjects selected from such topics as the following: specific gravity, properties of liquids and gases, machines, friction, temperature, specific heat, laws of reflection, images in mirrors and lenses, laws of vibrating strings with problems, interference of sounds, lines of magnetic force, relation between static and current electricity, practical applications of electricity, mechanics.

Biology: Dissection; experiments with plants; the microscope; aquaria and terraria; school museums; plant and animal ecology. Methods of conducting instruction in biology will be discussed and illustrated in lessons upon subjects selected from such topics as the following: relation of structure to function, animal and plant types such as the grasshopper, frog, hepatica, fern. This discussion will assume a practical acquaintance on the part of the student with the common plants and animals of Ontario.

The course will stress laboratory practice in each subject.

Books of Reference:

Brownell and Wade: The Teaching of Science and the Science Teacher.
Heiss, Obourn and Hoffman: Modern Science Teaching.
Hoff: Science Teaching.
Hunter: Science Teaching.
Lloyd and Bigelow: The Teaching of Biology.
Miller and Blaydes: Methods and Materials for Teaching Biological Sciences.
Newbury: The Teaching of Chemistry.
Phillips and Cox: The Teaching of Biology.
Poulton: The Teaching of Biology.
Smith and Hall: The Teaching of Chemistry and Physics.
Sumner: The Teaching of Science.
Twiss: Principles of Science Teaching.
High School Manual: Suggestions for Teachers of Science.

SEMINAR IN SCIENCE

(For Type A Candidates in Science and, in part, Mathematics and Physics)

47. Manipulation: Practice with apparatus used in High School demonstrations; preparation of illustrative charts; the projection lantern; film projection; care of aquaria and vivaria; growth of plants for experiments in vegetable physiology; collection and preservation of botanical and zoological material for Upper School work.

Equipment: Laboratory accommodation; arrangement of laboratories; lighting and ventilation; arrangement and structure of benches and other furniture; care and purchase of apparatus; chemicals and minerals, most suitable kinds, method of preparation and storage; reference works and periodicals in science for the High School library.

Methods of treating topics in physics, chemistry and biology of Grade XIII.

Books of Reference:

Curtis: A Digest of Investigations in the Teaching of Science.
Hoff: Science Teaching.
Green: Zoological Technique for Teachers and Senior Students.
Mann: The Teaching of Physics.
Miller and Blaydes: Methods and Materials for Teaching Biological Science.
Newbury: The Teaching of Chemistry.
Ontario Department of Education: Laboratory Equipment.
Phillips and Cox: The Teaching of Biology.
Twiss: Principles of Science Teaching.
Westaway: Science Teaching.

SEMINAR IN AGRICULTURE

(For Type A Candidates in Agriculture)[1]

48. The History of agricultural education in the United States and Canada and particularly in Ontario; developments prior to 1904; developments since 1904; the influence of Departmental regulations, the Ontario Agricultural College, Summer Courses and various organizations in the development of agricultural education; the present regulations of the Department of Education and their relation to the teaching of Agriculture in the elementary and secondary schools and normal schools; qualifications of teachers; relations of school boards and teachers; provisions for inspection and reports; elective courses, and vocational agricultural courses in secondary schools.

Equipment and methods; special equipment needed for agricultural topics; arrangement of laboratory and classroom; storage and care of apparatus; preparation of illustrative material and charts; the projection lantern; the moving picture machine; agricultural periodicals, reference books and other sources of information; the school garden, planning and care; beautification of school grounds; home projects and collections; planning of courses; types of lessons; use of illustrative material; correlation of the science subjects in courses in agriculture.

Books of Reference:

Andrews: Agriculture for High Schools.
DeLaMare: Garden Guide.
Eckles, Combs, Macy: Milk and Milk Products.
Heald: Manual of Plant Diseases.
Hughes and Henson: Crop Production.
Lippincott: Poultry Production in Canada.
MacEwan: The Breeds of Farm Live Stock.
Madill: History of Agricultural Education in Ontario.
Phillips: Beekeeping.
Russell and Hastings: Agricultural Bacteriology.
Stevens: Garden Flowers in Color.
Bulletins and Regulations of the Dominion and Ontario Departments of Agriculture.
Reports and Regulations of the Ontario Department of Education.

CLASSICS (LATIN AND GREEK)

49. The relation of method in teaching Latin or Greek to linguistic method in general; the effect of the object of teaching Latin or Greek upon the method in various departments, such as oral reading, grammar, translation, sight reading, and the literary or historical content; illustration of methods in typical lessons.

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[1]Candidates for the High School Assistant's certificate, Type A, in Agriculture shall take also the Science of the course for the High School Assistant's certificate, Type B.

Pronunciation; oral reading, sight reading, and English translation as prescribed for the Lower and Middle Schools; general principles of word-structure and sentence-structure; word order; methods of teaching the parts of a lesson; topics of inflection and syntax as found in the Latin and Greek Books; special emphasis on difficult topics.

The course will stress oral practice in Latin.

Books of Reference:

Hamilton and Carlisle: Latin for Secondary Schools.
Gray: Latin for Today.
Taylor and Prentice: Living Latin.
Arnold: On Translating Homer.
Bennett and Bristol: Teaching of Latin and Greek.
Game: Teaching High School Latin.
Goodwin and Gulick: Greek Grammar.
Lane: Latin Grammar.
Valentine: Latin, its Place and Value in Education.
Westaway: Quantity and Accent in the Pronunciation of Latin.
White: The Teaching of Latin.
The American Classical Investigation: Report, Parts 1 and 2.

SEMINAR IN CLASSICS

(For Type A Candidates in Classics, Latin and Greek, and, in part, Latin and French, and English and Latin)

50. In the seminar in Classics, the topics treated will be those which are germane to the teaching of the Latin and Greek authors and prose prescribed for study in the Upper School during the current year. These will include:

A study of adequate translation of the works of Latin and Greek authors.

Appreciation of the art of Horace, Virgil, Catullus, and Homer.

The Philosophy of Horace.

The legacy of Greece and Rome.

The teaching of the following metres: Hexameter, Elegiac, Sapphic, Alcaic.

The different types of poetry represented in the prescribed authors and the debt of English writers to classical originals.

The teaching of Latin continuous prose composition.

The morphology and syntax of Attic Greek together with a general treatment of the principles of Greek accent.

FRENCH, GERMAN, SPANISH OR ITALIAN

51. Pronunciation: Study of sounds and their spelling; phonetic symbols; devices for teaching; intonation exercises; dictation; singing.

Course of Studies in Grades IX and X: Introductory lessons, including conversational work for beginners; reading for comprehension; vocabulary

building; conversation based on reading; paraphrasing; dictation; functional grammar, stressing the verb and pronoun.

Course of Studies in Grades XI and XII: Methods of conducting reading; increased emphasis placed on writing; grammar; translation from English into the foreign language; supplementary reading; testing.

Illustration of methods in typical lessons.

The course will stress oral practice in the foreign language.

Books of Reference:

de Sauzé: The Cleveland Plan for the Teaching of Modern Languages.

Jack: French Pronunciation and Diction.

Jespersen: How to Teach a Foreign Language.

SEMINAR IN MODERN LANGUAGES

(For Type A Candidates in French and German *or* Spanish *or* Italian, and, in part, Latin and French, English and French)

52. In the seminar in Modern Languages, stress will be laid upon methods of presenting the work to be studied in Grade XIII during the current year.

Topics treated will include: Teaching of advanced grammar and prose composition; correction of written work; conducting of reading lessons; sight reading; supplementary reading; free composition; conversation; making of examinations; use of dictionaries and books of reference.

Books of Reference:

Der Sprach-Brockhaus.

Duden: Stilwörterbuch.

Larousse: Nouveau Petit Larousse Illustré.

Larousse: Pequeño Larousse Ilustrado.

Schulz und Sundermeyer: Deutsche Sprachlehre für Ausländer.

SEMINAR IN HOME ECONOMICS

(For Type A Candidates)

53. Introductory: The development of Home Economics, including a brief study of present day tendencies; its value and aims.

Methods: A study of courses for public, high and vocational schools; a discussion of various types of organization; methods of teaching; illustration of methods in typical lessons; a study of the methods of class-room procedure and problems arising therefrom; allotment of time for different phases of the subject; textbooks; note books; preparation, use and care of illustrative material; examinations.

Class Organization: Departmental regulations; size of class; records.

Equipment: Types of equipment; cost, arrangement and inventory of equipment.

Books of Reference:

Regulations and Courses of Study for the Public and High Schools of Ontario.

Texts as recommended in the Courses of Study in Home Economics for High and Continuation Schools, Collegiate Institutes and Vocational Schools.

Brown: Evaluation and Investigation in Home Economics.

Federal Security Agency, Office of Education, Division of Vocational Education, Washington, D.C.: Space and Equipment for Homemaking Programs.

Hatcher and Andrews: The Teaching of Homemaking.

Pollard: Adult Education for Homemaking.

Spafford: Fundamentals in Teaching Home Economics.

William and Lyle: Homemaking Education in the High Schools.

PHYSICAL EDUCATION

54. This course is outlined in the Courses of Study for Grades IX-XIII issued by the Ontario Department of Education.

COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Theory, Methods and Materials (for men and women).

Practice (for men):

(*a*) Basic Drill.
(*b*) Gymnastics.
(*c*) Apparatus.
(*d*) Games.
(*e*) Swimming.

Practice (for women):

(*a*) Gymnastics.
(*b*) Games.
(*c*) Rhythmics.

SEMINAR IN PHYSICAL EDUCATION

(For High School Assistants', Type A Candidates)

1. Organization and administration, including the following:
   (*a*) aims, objectives and policies,
   (*b*) selection and grading of teaching material,
   (*c*) marking and testing,
   (*d*) planning the curricular and extracurricular programmes.
2. Methods and survey of material (Women):
   (*a*) Physical Education—gymnastics, games, rhythmics, swimming,
   (*b*) Health Education—anatomy, physiology, body mechanics, first aid, healthful living, child study.

3. Methods and survey of material (Men):
   (*a*) Physical Education—basic drill, gymnastics, apparatus, games, swimming,
   (*b*) Health Education—anatomy and physiology, first aid, safety education, healthful living.

Books of Reference:

Texts as recommended in the Courses of Study in Physical and Health Education and Cadet Training of the Ontario Department of Education.

Physical Education:

Bowen and McKenzie: Applied Anatomy and Kinesiology.
Bukh: Primary Gymnastics Fifth Edition, 1939.
Bundy: Textbook of Anatomy and Physiology.
Cassidy: New Directions for the Adolescent Girl.
Cates: Primary Anatomy.
Conrad and Meister: Teaching Procedures in Health Education.
Davis and Lowther: Successful Teaching in Physical Education.
Kahn: Man in Structure and Function.
Kozman, Cassidy, Jackson: Methods in Physical Education.
LaPorte and Renner: The Tumbler's Manual.
Lee: The Conduct of Physical Education.
McKenzie: Exercise in Education and Medicine.
Macherey and Richards: Pyramids Illustrated.
Mitchell: Intramural Athletics.
Mulliner and McKenzie: Elementary Anatomy and Physiology.
Nash: Teachable Moments, a New Approach to Health.
National Recreation Association: Recreation Areas—Their Design and Equipment.
National Recreation Association: Introduction to Community Recreation.
Sharman: Introduction to Physical Education.
Sharman: Teaching of Physical Education.
Staley: Games, Contests and Relays.
West: The Gymnast's Manual.
Articles in "The Athletic Journal," "The Journal of Health and Physical Education," and "Journal of Physical Education and School Hygiene."

ART AND CRAFTS

55. COURSE FOR THE ELEMENTARY CERTIFICATE

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering, Theory and History of Art and Crafts, Methods of Teaching Art and Crafts.

COURSE FOR THE INTERMEDIATE CERTIFICATE

Drawing and Painting, Modelling and Model-making, Industrial and Decorative Design, Theory and History of Art and Crafts, Classroom Methods and Problems.

Books of Reference:

Ackley: Marionettes.
Arthur: Early Buildings of Ontario.
Bethers: Pictures, Painters and You.
Bethers: Composition in Pictures.
Cheney: A World History of Art.
Cheney: Expressionism in Art.
Doten and Boulard: Fashion Drawing.
Dougherty: Pottery Made Easy.
Dow: Composition.
Eccott: Teaching Creative Art in Schools.
Faulkner, Ziegfeld and Hill: Art To-day.
Fletcher: A History of Architecture.
Gardner: Art through the Ages.
Gibbs: The Teaching of Art in Schools.
Glazier: A Manual of Historic Ornament.
Hartley and Elliot: Life and Work of the People of England—Vols. I-VI.
Johnstone: Child Art to Man Art.
Lemos: Creative Art Crafts.
McLeish: Beginnings; Teaching Art to Children.
Maas: Common Sense in Home Decoration.
Munsell: Colour Notation.
Progressive Education Association: Creative Expression.
Quennell: History of Everyday Things in England—Vols. I-II.
Read: Art and Industry.
Read: Education Through Art.
Robb and Garrison: Art of the Western World.
Tomlinson: Picture Making by Children.
Viola: Child Art.
Articles in "Art and Craft Education"; "Decoration"; "School Arts Magazine"; "Design."

SEMINAR IN ART AND CRAFTS

(For High School Assistants', Type A Candidates)

The seminar in Art and Crafts will discuss classroom methods and problems relating to the advanced grades. Special emphasis will be given to (*a*) the securing, organizing and use of illustrative source material, such as slides, prints and exhibitions which can be used to interpret and intensify the study of art history and art criticism; (*b*) a more advanced study of the theory, history and practice of art and crafts.

Books of Reference:

Gardner: Art Through the Ages.
Faulkner, Ziegfeld and Hill: Art To-day.
Giedion: Space, Time and Architecture.
Lowenfeld: Creative and Mental Growth.
Stites: The Arts and Man.
Teague: Design This Day.

VOCAL MUSIC

56. COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory prescribed for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Books of Reference:

Bell: The Chorister, Book I, and Book II.

Voice Training and Song Material:

The adolescent voice; choral singing; practice in tone production, intonation, diction, and breath control; blending of voices in part singing; interpretation; analysis of song material for Grades IX and X.

Books of Reference:

Foresman, Dann and Fenwick: The Highroad of Song, Book III.
Hill: The Singing Period, Book VII.
Mursell: Human Values in Music Education.
Silver Burdett Co.: Music, the Universal Language.
Staton: Sweet Singing in the Choir.
The Silver Book of Songs.
Wilson, Christy and Bell: The Modern Choral Hour.
Wright: Youthful Voices, Book I and Book II.

Conducting:

The conducting patterns of common metres; special problems: attack and release, incomplete bars, expression, use of the left hand.

Books of Reference:

Stoessel: The Technique of the Baton.

Rudiments of Music:

Notation (notes, rests, clefs); intervals and their inversion; metre and rhythm; scales (diatonic and chromatic); transposition; musical terms, abbreviations and ornaments.

NOTE: Students are advised to study in advance one of the following texts:

Ahrens: Rudiments of Music.
Bell: The Chorister, Books I and II.

Dunstan: The A B C of Musical Theory.
Horwood: The Basis of Music.

Music Appreciation:

Teaching of the topics prescribed for Grades IX and X; the human voice, musical instruments, elementary form, nationalism, music aesthetics; study of selected compositions through recordings; organization of a course in music appreciation; choice and care of equipment.

NOTE: Students are advised to study in advance one or more of the following texts:

Bacharach: The Musical Companion.
Bernstein: An Introduction to Music.
Faulkner: What We Hear in Music.
Scholes: The Oxford Companion to Music.
Skolsky: Evenings with Music.
Staples: Exploring the World of Music. Guide Book I.

Methods:

General principles of music education; analysis of the course for Grades IX and X; voice testing; teaching of rote songs, reading songs, part songs and theory; use of the piano; integration of music with other subjects; the relation of the school orchestra to the vocal programme; elementary scoring and transposition for instruments.

Books of Reference:

Maddy and Giddings: Instrumental Technique for Orchestra and Band.
Newton and Young: The Book of the School Orchestra.

INSTRUMENTAL MUSIC

COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory prescribed for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Books of Reference:

Bell: The Chorister, Book I and Book II.

Technical Training:

Fundamentals of tone production and basic fingering in all families of instruments; playing scales, diatonic and chromatic; simple melodies; reading orchestral scores of elementary range; construction and care of all types of instruments.

Conducting:

The conducting patterns of common metres; special problems of conducting in instrumental groups.

Methods:

General principles of organization and instruction of instrumental classes; special methods of class teaching for strings, band classes, or combined groups.

Books of Reference:

Belwin: Elementary Band Method.
Belwin: Intermediate Band Method.
Belwin: Bow and Strings.
Boosey and Hawkes: Instrumental Course.
Boosey and Hawkes: Band Method.
Bornoff's Finger Patterns.
Fischer: Strings from the Start.
Merle Isaac: String Class Method.

NOTE: This is a practical course, with the emphasis laid on two essential points, (i) individual mastery of instruments;
(ii) methods of class teaching.

SEMINAR IN VOCAL MUSIC

(For High School Assistants', Type A Candidates)

Sight Singing and Ear Training:

Sight reading of songs based on the theory prescribed for Grade XIII; extraneous modulation; singing of major scales from any note in the scale to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords listed below for harmony; detection of errors in the performance of more advanced part songs.

Books of Reference:

Bell: The Chorister, Book II.

Voice Training and Song Material:

Advanced study of topics listed in the Elementary Type A Course through choral works; unaccompanied singing; modern theories of voice training; the teaching of special classes in voice training; selection of song, choral and operatic material for Grade XIII classes, public performances and festivals.

Books of Reference:

Coward: Choral Technique and Interpretation.
Pitts: Voice Class Method.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Operetta:

The detailed study and preparation of an operetta for public performance.

Music Appreciation:

Teaching of the topics prescribed for Grade XIII; advanced form, music biography and history, the analysis of selected compositions with special attention to the prescribed works for Grade XIII; use of miniature scores; supplemental reading; evaluation of recordings for school use; use of radio in music appreciation.

Books of Reference:

Bacharach: Lives of the Great Composers.
Burrows and Redmond: Symphony Themes.
Scholes: The Oxford Companion to Music.
The Victor Book of the Symphony.

Methods:

Modern theories of music education; musical talent and its measurement; the specially gifted pupil; the relation of Secondary School music to music in the Elementary School and to the work of the private teacher; administration; music festivals and adjudication; practice in individual tutorial work; the piano accompaniment of school singing; analysis of the prescribed course for Grade XIII.

Books of Reference:

Dykema and Gehrkens: Teaching and Administration of High School music.
Fenwick: High Road Music Series—Teacher's Manual.
Mursell and Glenn: The Psychology of School Music Teaching.

SEMINAR IN INSTRUMENTAL MUSIC

(For High School Assistants', Type A Candidates)

Sight Singing and Ear Training:

Sight reading of songs based on the theory prescribed for Grade XIII; extraneous modulation; singing of major scales from any note in the scale to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords for harmony; detection of errors in the performance of more advanced part songs.

Books of Reference:

Bell: The Chorister, Book II.

The Orchestra and Band:

Orchestral playing, organization and conducting; selection of music for Grades IX to XIII class study, for orchestras and bands of High School calibre, and for public performance and festivals.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Arranging:

Transcription and arranging of selections from piano score for full orchestra or band; transposition for all instruments.

Methods:

Advanced study of topics listed in the Elementary Type A course.

Class instruction of instrumental classes, beginners and advanced classes, with all types of instruments.

57. COURSE FOR THE ELEMENTARY COMMERCIAL CERTIFICATE

(1) Shorthand Theory:

The principles of the Isaac Pitman system; writing continuous matter in approved shorthand forms; transcribing sight passages in continuous shorthand.

(2) Shorthand Practice and Transcription:

Writing from dictation for ten minutes, in approved Pitman Shorthand, easy material at the rate of sixty words per minute; transcribing of these notes on a typewriter with blanked keyboard; ten minutes to be allowed for revision of notes, and forty minutes for transcription.

(3) Typewriting:

(*a*) Typing for ten minutes on a typewriter with blanked keyboard at a net rate of thirty words per minute with 1% error or less. (The basis for estimating the number of words shall be five strokes per word.)

(*b*) Application of typewriting to simple problems in setting up business letters, headings, programmes, invitations, announcements, display work, tabular work.

(4) Bookkeeping:

The study of the various aspects of the fundamental equation, including journalizing, posting and the setting up of the financial statements in trading and non-trading organizations.

(5) Penmanship:

Posture, penholding, position of the paper, movement, development of speed, classification of small and capital letters according to similarity of basic principles. Graceful, legible business writing; ledger headings; figures; accounts; marking alphabet; writing on the blackboard.

(6) Methods—Minor:

(*a*) Methods of teaching Business Practice and Bookkeeping: instructional material; testing programme; presenting special topics; text-books; outlining courses; grading papers.

(*b*) Methods of teaching junior Shorthand and Typewriting.

(i) First year in Shorthand: organization of classes and materials; content of course; analysis of text-book; division of time for various sections of the work; various methods of approach; shorthand penmanship; reading of shorthand; how and when to test; the place of theory in junior classes; how and when to introduce transcription.

(ii) First two years in Typewriting: typing room, equipment and supplies; class organization; teacher's preparation; application of general principles to the teaching of typing technique; analysis and prevention of errors; speed development; tests and how to mark them; the second year course; written reports on actual lessons.

Books of Reference:

As recommended in the Courses of Study for Grades IX-XII in Collegiate Institutes, High, Vocational and Continuation Schools; and:

Andruss: Ways to Teach Bookkeeping and Accounting.
Blackstone and Smith: Improvement of Instruction in Typing.
Clem: Technique of Teaching Typewriting.
Davis: A Study of Shorthand Teaching.
Dvorak: Typewriting Behaviour.
Gregg: Psychology Applied to Skill Building.
Lamb: Your First Year of Teaching Shorthand and Transcription.
Lamb: Your First Year of Teaching Typewriting.
Leslie: Methods of Teaching Transcription.
Leslie: Teaching of Gregg Shorthand by the Functional Method.
Lomax: Problems of Teaching Shorthand.
Lomax and Agnew: Problems of Teaching Bookkeeping.
Lomax and Reynolds: Problems of Teaching Typewriting.
Newman: Pitman Teachers Manual.
Odell and Stuart: Principles and Techniques for Directing the Learning of Typewriting (2nd Edition).
Selby: Teaching of Bookkeeping.
Smith: Gregg Typing—Teacher's Handbook.
Taylor: Commentary on Pitman Shorthand.
Articles in various periodicals.

58. COURSE FOR THE ELEMENTARY INDUSTRIAL ARTS AND CRAFTS CERTIFICATE, TYPE A

This course may not be completed in the regular College session but requires two subsequent Summer sessions before the candidates will be recommended for the certificate.

Draughting: Orthographic projection problems; isometric drawing of rectangular, circular and cylindrical figures; sketching oblique views, geometric drawing; tracing and blue printing.

Woodworking: Nature, structure and characteristics of common woods; the selection and suitability of woods for various purposes; seasoning,

defects and grading lumber; cutting out operations, planing, squaring, chiselling and paring; uses of various fastening materials; construction of common joints; various methods of wood finishing and care of brushes; use and care of band saw, variety saw, jig saw and jointer; the wood turning lathe, with elementary turning of single spindle and face plate work; sharpening and care of woodworking tools.

Sheet Metal Work: Laying out patterns, cutting, bending, soldering and rivetting of tin plate and galvanized iron; etching, hammering, planishing and polishing of brass and copper.

Machine Shop Practice: Hand tools and bench work; layout work and elementary machine operations.

Methods of instruction and class organization of the General Shop.

Books of Reference:

As recommended in the Courses of Study for High or Continuation Schools, Collegiate Institutes and Vocational Schools (Grade IX).

Ashcroft and Easton: General Shop Work.
Clancey: Sheet Metal Work.
Daugherty: Sheet-metal Pattern Drafting and Shop Problems.
Evans, Parks and Slatterie: Hand Woodwork.
Hamilton: Woodwork for Junior High Schools.
Wilber: Industrial Arts in General Education.
Wishart: Woodwork Practice and Theory.
The Home Workshop. (Odhams Press Ltd.)
Working with Plexiglas. (Rohm and Haas Co.).

59. COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

An analysis of the Course of Study, Grades IX and X, Home Economics of the General and Commercial Courses.

Fundamental principles, practices, and standards in home and family living.

Problems of organization; methods of teaching; aids to learning; home and classroom equipment. Departmental regulations. Guidance in classroom teaching.

Books of Reference:

Reference Books for the Course in Home Economics, Grades IX and X.
Hatcher and Andrews: The Teaching of Homemaking.
Pollard: Adult Education for Homemaking.
Spafford: Fundamentals in Teaching Home Economics.
Williamson and Lyle: Homemaking Education in the High Schools.
Federal Security Agency, Office of Education, Division of Vocational Education, Washington, D.C.: Space and Equipment for Homemaking Programs.

60. DICTION AND VOICE PRODUCTION

General lectures on diction and voice production.
Corrective work and exercises.

Books of Reference:

Anderson: Training the Speaking Voice.
Bennett: Practical Speech-Training.
De Banke: Art of Choral Speaking.
Gullan: Choral Speaking.
Gullan: Speech Training in the School.
Henderson: Good Speaking.
Parrish: The Teacher's Speech.
Storey: The Way to Good Speech.
Von Hesse: So to Speak.

ONE-YEAR COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

CONDITIONS OF ADMISSION

61. (1) A candidate for admission to the course for the Interim Intermediate certificate in Home Economics should make application, not later than August 31st, on a form to be obtained from the Secretary of the Ontario College of Education and should submit with this application:

(*a*) A certificate from a competent authority that she is a British subject.

(*b*) A certificate from a clergyman or other competent authority that she is of good moral character.

(*c*) A certificate of successful vaccination. Every candidate for admission must submit a certificate of successful vaccination with her application.

(*d*) A statement signed by herself to the effect that she intends, when opportunity offers, to teach the subject of Home Economics.

(*e*) One of the following:

A Permanent Second Class certificate obtained under the regulations in force subsequent to September, 1927; an Interim or Permanent First Class certificate; a High School Assistant's certificate; an Ordinary Vocational or a Specialist Vocational certificate.

(2) Candidates who fulfil the foregoing conditions of admission and who hold Elementary Certificates in Home Economics, Type A, B, or C will be exempted from attendance during the Autumn term.[1]

COURSE OF STUDY

62. The Course of Study for the Intermediate certificate in Home Economics includes the following, with specific reference to the course in Home Economics prescribed for Grades VII, VIII, IX, and X:

[1]Application for admission to the College at the beginning of the second term in January should be made not later than December 1st. Enrolment in January may be limited according to the available accommodation.

PART I

FOODS

Economics.—Marketing; points to be considered in selection; factors determining cost; saving of materials, fuel, and labour in preparation; care in the home; utilization of left-overs.

Nutrition.—Composition and nutritive value of foods; requirements to maintain the body in health; digestion of foods, factors influencing the diet, menu planning; diets for infants, children and adults.

Preparation.—Scientific principles underlying methods of preparation; application of these principles in food and meal preparation and service (family meals, meals for children, and meals for the aged and sick in the home).

CLOTHING

Selection.—Source and properties of the principal textile fibres; study of textile fabrics; principles of design; aesthetic and economic factors determining selection for the individual.

Construction.—Cotton, linen or woollen garments: choice and preparation of material, commercial patterns, use and care of the sewing machine, construction processes.

Care.—Daily, weekly, and seasonal; repairing; removal of stains, laundering.

HOME MANAGEMENT

The Home.—Standards of living in relation to home life; relation of the home to the community.

The House.—Planning, furnishing; renovation; care; problems and procedures in the management of the modern home; household budgets; use and care of household equipment, appliances and fabrics.

Sanitation.—Effect of environment on health; sanitary control of surroundings; disposal of waste.

Home Nursing and Child Care.—Care of the infant, child and adult; emergencies; bandaging.

METHODS

Objectives in teaching Home Economics; types of equipment; study of authorized courses; problems of organization; methods of teaching; demonstration of lessons; teaching aids.

PART II

Observation and Practice-teaching will be provided in selected Public and High Schools and will include a minimum of six practice lessons per student with an equal number of periods for observation lessons.

EXAMINATIONS

63. (1) Candidates for the Intermediate certificate shall pass in each of Parts I and II under the following conditions:

(*a*) Part I.

The following shall be the subjects in Part I with the maximum value of 100 for each subject:

Foods
Clothing
Home Management
Methods

The standing of candidates in the subjects of Part I will be determined by the sessional records and the final written examinations.

The sessional records, to which shall be allotted one-half the maximum value assigned above to each subject, shall consist of the daily credits and of the results of oral, written, and practical tests.

The final written examinations, to which shall be allotted the remaining half of the maximum value assigned above to each subject, shall include the following papers:

Foods
Clothing
Home Management
Methods

The pass standard in Part I shall be 60% of the marks assigned to each subject.

(*b*) Part II.

The standing of candidates in Part II shall be determined wholly by the sessional records. For this purpose the maximum value assigned to practice lessons shall be 300, and to observation lessons, 100.

The pass standard in Part II shall be 60% of the aggregate of the marks for the practice lessons and for the observation lessons respectively.

(2) (*a*) Candidates who pass in Part II and fail in not more than one subject of Part I will be exempted from further attendance.

(*b*) All other candidates who fail to obtain the necessary final standing will be required to attend another session, beginning after the Christmas vacation.

(3) (*a*) Candidates who are exempt from attendance under (2) (*a*) above may complete their standing for a certificate by taking at an annual examination, the examination, written or practical, in the subject in which they failed.

(*b*) The pass standard for candidates not in attendance will be the same as that for candidates in attendance, but no allowance will be made for sessional work in the case of those not in attendance.

CERTIFICATES

64. A candidate who takes the subjects and passes the examinations therein prescribed above shall be entitled to an Interim Intermediate Home Economics certificate which shall be valid in these subjects in any Public, Separate, High or Continuation School and in Grades IX and X of a Collegiate Institute, provided that the teacher is otherwise qualified to teach in such schools.

This Interim certificate shall be valid for two years. The conditions under which the Interim Home Economics certificate may be made Permanent are contained in the regulations of the Department of Education.

65. COURSES FOR CERTIFICATES IN VOCATIONAL EDUCATION AND INDUSTRIAL ARTS AND CRAFTS

The Ontario Training College for Technical Teachers, which was established in Hamilton in 1925, has been re-organized as a department of the Ontario College of Education, Toronto, as of September 1, 1946.

I. Courses for the Ordinary Vocational certificate.

II. Courses for Industrial Arts and Crafts certificates:

1. The Intermediate certificate.
2. The Specialist certificate.

GENERAL CONDITIONS OF ADMISSION

(1) An applicant for admission to the courses referred to above shall make application, not later than August 31st, to the Director of Vocational Training, 371 Bloor Street West, Toronto 5, on a form to be obtained from him, and shall submit with this application, on forms also to be supplied by the Director:

(a) A certificate from the Deputy Registrar-General of Births, Parliament Buildings, Toronto, or an affidavit by one of the parents or other relative, or other person cognizant of the applicant's date of birth.

Age limits:

For the Ordinary Vocational course, male applicants shall be not less than twenty-three and not more than thirty-five years of age; female applicants shall be not less than twenty-three and not more than thirty-two years of age.

For the Intermediate Industrial Arts and Crafts course, applicants shall be at least twenty years of age.

For the Specialist Industrial Arts and Crafts course, applicants shall be not less than twenty-three and not more than thirty-five years of age.

(b) A certificate from a competent authority that he is a British subject.

(c) A certificate from a clergyman or other competent authority that he is of good moral character.

(d) A certificate of successful vaccination.

(2) Before the final admission, and provided that the applicant is not already the holder of a Teacher's certificate, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 19th, and shall hold themselves in readiness to appear for subsequent further examination as required. Students are required to be in continuous attendance at the College during the period of the medical examination, September 25th to 29th.

(3) In the event of rejection of an applicant in consequence of the medical examination and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

66. I. COURSE FOR THE ORDINARY VOCATIONAL CERTIFICATE

ADDITIONAL REQUIREMENTS FOR ADMISSION

(1) Education.

Applicants are required to give evidence of secondary school graduation or the equivalent. Otherwise, candidates may be required to write examinations in English, Mathematics and Science, these examinations to be held at the College on the first day of the session.

(2) Trade Training and Experience.

(a) The training or apprenticeship required shall be that usually demanded for journeyman's qualifications in the trade concerned. Special training obtained in an approved day vocational school will be taken into account in considering the period of training. Applicants should submit statements from the persons or firms under whom they were trained, showing the length of the training period and the nature of the work.

(b) The experience required shall be several years of wage-earning journeyman trade experience with approved high-grade firms, and shall be such as to show that the applicant is a skilled craftsman, competent in the main branches of the trade, and familiar with its recent developments. The length of the journeyman experience depends upon the nature of the trade. Documentary evidence of experience in the trade in approved shops shall be furnished by the applicant.

(c) The applicant shall be required to pass an examination designed to test his attainments as a skilled worker in the trade concerned. The examination shall be on the fundamental principles, operations, processes,

and skills of the trade, and shall be in two parts (1) written, (2) practical. In the practical examination he shall be required to show his skill in a performance test. This examination will be given by the Ontario College of Education during the first week of the session at places to be arranged.

67. PROGRAMME OF STUDIES

The course of training for the Interim Ordinary Vocational certificate consists of two parts:

Part I: Educational Psychology
School Law and Regulations
English
History of Vocational Education
Principles of Teaching and Classroom Management
Technical Subjects: 1. trade analysis,
2. shop plan,
3. equipment list,
4. yearly budget,
5. course of study.

Part II: Observation and Practice-teaching.

68. ORGANIZATION OF COURSE

(1) Each candidate must prove by taking a Trade Test during the first week of the Session that he is a skilled craftsman in the practical subject he desires to teach.

(2) In general, the course is built upon the experiences of the student-teachers in the practice schools. Observation is stressed during the early part of the session. Individual and group instruction will be increased until, in the final two weeks, the student-teacher will take charge of the class with no assistance from the teacher.

(3) During alternate weeks in the College, in addition to the programme of studies, the student-teacher is given an assignment to cover his duties in the practice school for the following week. A corresponding bulletin is mailed to the teacher, who reports on the progress of the student at the completion of each week of Practice-teaching.

(4) Where possible, student-teachers are sent at first to vocational departments in the smaller composite schools and later to technical schools in the larger centres. The Director and his staff visit the practice schools from time to time to assist in evaluating the students' work.

69. DETAILS OF SUBJECTS

The details of the subjects of the course for the Ordinary Vocational certificate are set out below.

EDUCATIONAL PSYCHOLOGY

(a) Psychology
  (i) intelligence, tests and measurements;
  (ii) learning, nature and laws; memory, fatigue, transfer, etc.
  (iii) mental hygiene of the pupil and the teacher,
  (iv) psychology of adolescence; school discipline.
(b) Guidance and Counselling.

SCHOOL LAW AND REGULATIONS

The Vocational Education Act, Regulations for Vocational Schools, the Apprenticeship Act, the Trade Schools Regulation Act; other legislation and regulations of direct concern to vocational schools.

ENGLISH

English—both oral and written—a brief review of the main essentials of grammar and composition to enable the shop teacher to avoid the more common errors in the use of words.

HISTORY OF VOCATIONAL EDUCATION

Brief historical sketch to show vocational aspects of educational developments; contributions of the educational reformers, Comenius, Locke, Rousseau, Pestalozzi, Fellenberg, Herbart, Froebel, Spencer; relation of industrial developments to the need for industrial education; development of secondary education, of vocational education; the manual training movement, the mechanics' institute, the farm and trade school, industrial and technical schools, trade schools; part-time, co-operative and apprenticeship classes; the Ontario educational system.

PRINCIPLES OF TEACHING AND CLASSROOM MANAGEMENT

Learning process as applied to practical subjects; formal lesson types; individual differences; individual and group instruction; lesson planning; instruction aid material—sheets, pictures, charts, films, models; organization of instruction material; tests and examinations; records; special shop problems.

TECHNICAL SUBJECTS

(a) Trade Analysis and Course of Study:

Study of the work of the skilled craftsman to determine the teachable content of each trade or calling. Analysis of the trade to determine the skill, and the trade, technical and concomitant knowledges of the skilled

worker; selection of instructional materials and arrangement into groups according to learning difficulties; selection of projects to be used to fit the order of the course of study; determination of related mathematics, science, drawing and auxiliary information needed in each project, preparation of course of study; unit courses.

(b) Shops Plans, Equipment and Budget:

Study of desirable features of shops and classrooms, size, shape, lighting, lay-out; preparation of minimum, and desirable, lists of equipment for the type of shop in which the teacher-in-training will work; design of benches, tables, furniture, selection of tools and machines; approximate prices; preparation of annual budget.

70. II. COURSES FOR INDUSTRIAL ARTS AND CRAFTS CERTIFICATES[1]

1. COURSE FOR THE INTERMEDIATE CERTIFICATE

This is a two-year course to provide training for those who contemplate the teaching of Industrial Arts and Crafts in Public, Separate, Continuation and High Schools. Applicants admitted under condition B below shall be exempted from attendance during one year of the course.

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit:

A. Evidence of graduation from an approved regular four-year industrial course in a vocational school, which includes machine shop practice, woodworking, drafting, electricity, and auto mechanics; and evidence of at least one year of approved industrial wage-earning experience;

OR

B. Evidence of a Second Class or more advanced Ontario teaching certificate, and *either* an Elementary Manual Training certificate *or* a statement indicating successful completion of the work of Part I of the Elementary Industrial Arts and Crafts, Type B, course or the work of Part I of the Elementary Industrial Arts and Crafts, Type A, course. Applicants who hold the Elementary Industrial Arts and Crafts certificate, Type A shall be exempted from attendance during the autumn term but shall make application for admission not later than December 1.

71. PROGRAMME OF STUDIES

The course of training for the Intermediate certificate in Industrial Arts and Crafts consists of two parts as follows:

[1]The Dean reserves the right to limit the total enrolment of Intermediate and Specialist candidates to twenty-five.

Part I: Activity Analysis and Course of Study
Shop Work
History of Industrial Arts and Crafts Education
Guidance

Part II: Observation and Practice-teaching.

Each student is given at least three weeks in a practice school. His teaching progresses from individual and group instruction to complete charge of routine duties and class instruction. If possible, he is sent to the general shop (a) in a public school, (b) in a continuation or high school, and (c) in a collegiate institute.

Note: For the Programme of Studies for those who must attend two years, see the Programme of Studies of the course for the Ordinary Vocational Certificate in Section 67.

72. DETAILS OF SUBJECTS
ACTIVITY ANALYSIS AND COURSE OF STUDY

See Technical Subjects in Section 67.

SHOP WORK

The present set-up consists of (a) Metal work, (b) Woodwork and Crafts. Each shop is organized on the general shop plan. At least four activities are being conducted in each shop. Metal work includes such activities as forge and vise work, sheet metal, welding, machine shop, farm machinery repair and overhaul. Woodwork and Crafts include drafting, woodwork (both hand and machine processes), building construction, practical electricity, furniture finishing, leather work, art metal work, and plastics.

HISTORY OF INDUSTRIAL ARTS AND CRAFTS

See History of Vocational Education in Section 67.

GUIDANCE

A course of lectures in educational and vocational guidance.

73. 2. COURSE FOR THE SPECIALIST CERTIFICATE[1]

This course is to provide training for those who contemplate teaching Industrial Arts and Crafts in collegiate institutes.

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit a Permanent[2] Intermediate Industrial Arts and Crafts certificate.

[1]This certificate may be obtained also in summer courses conducted by the Department of Education.

[2]Service personnel may be admitted on an Interim Intermediate Arts and Crafts certificate.

74. PROGRAMME OF STUDIES

The course of training for the Specialist certificate in Industrial Arts and Crafts consists of two parts as follows:

Part I. Activity Analysis, Course of Study and Shop Management Advanced Shop Work

Part II. Observation and Practice-teaching.

75. EXAMINATIONS AND CERTIFICATES

(1) The final standing of students in attendance in the course for the Ordinary Vocational Certificate or the courses for the Intermediate and Specialist Certificates in Industrial Arts and Crafts shall be determined by the combined results of the sessional records and the records of the final examinations of Part I and by the results of the records of the Observation and Practice-teaching of Part II, of the course concerned.

(2) The sessional records in each course represent oral and written exercises, practical work, research and frequent tests; and at the close of each term there will be a set of examinations.

(3) A candidate shall pass in each of the subjects listed in the Programme of Studies of the course concerned. The pass standard shall be 50% of the marks assigned to each subject of Part I and 60% of the aggregate of the marks assigned to each of the divisions of Part II. A candidate for the Intermediate Industrial Arts and Crafts certificate or the Specialist Industrial Arts and Crafts certificate must pass a performance test before a certificate is issued.[1]

(4) (a) A candidate for the Ordinary Vocational certificate who passes in Part II and fails in not more than one subject of Part I shall be exempted from further attendance.

(b) A candidate for the Intermediate certificate in Industrial Arts and Crafts who passes in Part II and fails in not more than two sections of Shop Work *or* one other subject of Part I shall be exempted from further attendance.

(c) A candidate for the Specialist certificate in Industrial Arts and Crafts who passes in Part II and in Advanced Shop Work of Part I shall be exempted from further attendance.

(d) All other candidates who fail to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

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[1]A candidate for the Ordinary Vocational certificate must obtain a minimum of 50% in the Trade test taken during the first week of the session (see Section 68).

(e) A candidate exempted from attendance, as provided in Section 75 (4) (a), (b) or (c), may complete his standing for a certificate by rewriting at an annual examination the examination in the subject in which he failed. Examinations will be held at the close of the session at such centres and under such conditions as are set out in Section 16 (3) (b).

76. GRADES OF CERTIFICATES

(1) An Interim Ordinary Vocational certificate which qualifies the holder to teach a shop subject for two years in a vocational school.

(2) A Permanent Ordinary Vocational certificate.

(3) A Specialist Vocational certificate which qualifies the holder to act as Shop Director in a vocational school.

(4) An Interim Intermediate certificate in Industrial Arts and Crafts, which qualifies the holder to teach shop work for two years in a public, separate, continuation or high school.

(5) A Permanent Intermediate certificate in Industrial Arts and Crafts.

(6) A Specialist certificate in Industrial Arts and Crafts which qualifies the holder to teach shopwork in a collegiate institute.

(7) A Vocational School Principal's certificate. For the requirements for this certificate, consult the regulations of the Department of Education.

77.

Books of Reference:

Bennett: History of Manual and Industrial Education, 1870-1917.
Bernhardt: Elementary Psychology.
Burton: Supervision and the Improvement of Teaching.
Conant: General Education in a Free Society.
Cornford: The Republic of Plato.
Council for Curriculum Reform: The Content of Education.
Counts: Education and the Promise of America.
Cubberley: Changing Conceptions of Education.
Delmar: Applied Textiles.
Delmar: Fundamentals of Dressmaking.
Department of Education: Principles of Method.
Edmonson, Roemer, and Bacon: The Administration of the Modern Secondary School.
Fern: Training for Supervision in Industry.
Fryklund: Trade and Job Analysis.
Hamilton: The Teacher on the Threshold.
Hook: Education for Modern Man.
Leighbody: Methods of Teaching Industrial Subjects.
McCutcheon: Public Education in Ontario.
Prosser and Allen: Vocational Education in a Democracy.
Struck: Creative Teaching.

Struck: Education for a Post-War World.
University of State of New York: Improving Instruction Through Supervision.
University of State of New York: The Instructor and His Job.
Warner, Havighurst, Loeb: Who Shall Be Educated?
Wilber: Industrial Arts in General Education.
Wright and Allen: Efficiency in Vocational Education.

COURSES FOR DEGREES IN PEDAGOGY[1]

Courses leading to the Bachelor of Pedagogy degree are open only to those who enrolled in Pedagogy course prior to 1952. Degrees in Pedagogy will not be conferred after June, 1955. Those beginning graduate work in Education in July, 1952 will be enrolled in courses leading to the new Education degrees[2].

DEGREE OF BACHELOR OF PEDAGOGY (B.PAED.)

78. The degree of Bachelor of Pedagogy (B.Paed.) will be awarded under the following conditions:

(1) The candidate shall hold an approved degree in Arts, Education, Science, Agriculture, Engineering, or Commerce and a certificate as teacher valid in one of the Provinces of Canada and issued after a regular course in an approved training school or the equivalent of such certificate and course of training.

(2) The candidate shall be in attendance at the Ontario College of Education during two regular College Sessions or three Summer Sessions.

(3) The course shall consist of six units including units 1 and 2 and any four others of units 3 - 16 as follows:

1. *The Development of Modern Educational Systems*
   The movement towards state responsibility for the education of all, and the extension of state-controlled systems of education, particularly in Great Britain, the United States and Canada during the past two centuries.
2. *The Development of Modern Educational Thought and Practice*
   The thinking of outstanding educators and changing concepts of society which influenced classroom practice in England, the United States and Canada during the past two centuries.
3. *Educational Psychology*
   An introductory course in general educational psychology.

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[1]See Section 7 (4) for information regarding a Fellowship in Education.
[2]See Section 80.

4. *School Law and Administration of Education in Ontario.*

5. *Supervision*

Functions and duties of supervisors and principals as related to the administration of the elementary and secondary school and improvement of instruction; specific administrative and supervisory techniques.

6. *Principles and Practices in School Administration*

The administration of education in England, the United States, Canada, Australia, New Zealand and South Africa. Relevant information regarding other countries may be included.

The course will include a consideration of such topics as centralization *vs.* decentralization, school legislation, division of duties between central and local authorities, educational finance, supervision, etc. Comparisons between systems in different countries will be stressed throughout the course.

7. *Measurement in Education*

An evaluation of various types of objective and essay-type examinations. The preparation and use of new-type tests. Standardized tests. The measurement of general and specific aptitudes, personality traits, and school achievement. Interpretation of test results.

8. *Educational and Vocational Guidance*

Basic principles and current practices in educational and vocational guidance, with a discussion of diagnosis, counselling, and the place of group work, in a student personnel programme.

9. *Instructional Techniques and Practices*

The development of theories of learning from Pestalozzi to modern times, and the influence of these theories on curricula and methods. A study of such general methods as the Dalton Laboratory Plan and the Enterprise Method, as well as an evaluation of various methods of teaching the subjects of the elementary and the secondary school curriculum.

10. *Educational Statistics and Experimental Methods*

An introductory course in elementary statistics. Design of experiments, including the logic of generalizing from a sample to the population and methods of planning investigations.

11. *Modern Philosophies of Education*

Critical survey of modern philosophies and the conflict of essentialist and progressivist schools of thought.
The nature of society and the aims of education in different types of society—especially in a democracy.
Various educational agencies; the peculiar place of the school; an evaluation of the school and a noting of new ventures designed to take care of the inadequacies of the school.

12. *Intelligence and its Measurement*

The nature, growth and distribution of intelligence. The preparation, administration and interpretation of group and individual mental tests.

13. *Mental Health and Child Study*

The factors involved in child development (pre-school period, early school years, intermediate years, adolescence) and the difficulties and problems of each period. The preventive and remedial phases of mental health.

14. *Diagnosis and Remedial Instruction*

Study of pupil difficulties and techniques of preventive and remedial teaching, with special emphasis on practices suitable for typical classrooms; use of diagnostic tests, observations and examinations and interpretation of the results.

15. *Adult Education*

History and organization of adult education in Canada; a survey of current philosophies of education in the adult field; psychology of learning for adults; problems of administration and presentation of adult education, and allied topics.

16. *Curriculum*

Principles, problems, experiments, trends in curriculum development in elementary and secondary schools. Factors involved in leadership in curriculum development and the improvement of instruction. Analysis of curriculum programme in relation to modern concepts of curriculum.

Not more than four of these units shall be taken during a regular College Session and not more than two during a Summer Session. Courses for full-time students only will be offered in the regular Session. Not all units will be given in any one Session. Certain of the units will be offered only in alternate Sessions.

The candidate who has attended at least one summer session and who holds (*a*) an Ontario Inspector's Certificate, or (*b*) an Ontario Vocational School Principal's Certificate, or (*c*) an Ontario Specialist or Intermediate Guidance Certificate, or who has completed attendance in any

subject of the former Pedagogy courses, may be exempted from attendance in two units but shall take the written examination in these units.

For two of the above units the candidate, with the special previous consent of the Committee in charge of the courses, may substitute an approved course in another department of the University, of a standard not lower than that of a minor in a course leading to the degree of Doctor of Philosophy.

(4) The examinations, one paper per unit, shall be held in April and May at the University of Toronto or in other localities in the Province approved by the Senate and under a presiding examiner appointed by the Senate, provided the candidate thereat defray the cost of the local examination. The candidate shall send notice not later than the 15th day of March of his intention to take the examinations and of the locality in which he wishes to write such examinations.

(5) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, regular College Session, including examination and library fees	125.00
Examination, per unit	3.00
Degree	10.00

All fees shall be paid to the University of Toronto with the application for registration or examination, as the case may be.

(6) The standard for a Pass degree shall be 60 per cent. of the marks assigned to each unit. The candidate who obtains 60 per cent. of the marks of each unit and 75 per cent. of the aggregate of marks shall be awarded a degree with Honours. On the report of the instructors concerned a maximum of 40 per cent. of the marks in any unit may be assigned to the term work of the candidate.

(7) The candidate who has completed one or more subjects not later than May, 1946, will be given credit for two units per subject, these units to be approved by the examiners in the subjects concerned.

DEGREE OF DOCTOR OF PEDAGOGY (D.PAED.)

79. The degree of Doctor of Pedagogy (D.Paed.) will be awarded until June, 1955, by the School of Graduate Studies under the following conditions:

(1) The candidate who completed not later than May, 1936, the course for the degree of Bachelor of Pedagogy is eligible for admission to the course for the degree of Doctor of Pedagogy. If the candidate for admission to the course for the degree of Doctor of Pedagogy has completed the course for the degree of Bachelor of Pedagogy in 1937 or later, he must pass a qualifying examination, to be held annually in February.[1] Details

[1]Under special circumstances and at the discretion of the Pedagogy Committee, other arrangements regarding the qualifying examination may be made for a student in full-time attendance who has credit for at least four units.

of this examination may be obtained on application to the Secretary of the Ontario College of Education.

(2) The candidate, after admission to the course, shall be in attendance at the Ontario College of Education during one regular College Session or one Summer Session.

(3) The course shall consist of two units as defined herein and a thesis as defined in (5) below.

A candidate admitted to the course for the degree of Doctor of Pedagogy shall take from the eighteen units listed in Sections 78 (3) and 79 (3) any two units not included in his course for the B. Paed. degree.

17. *Advanced Statistics and Measurement*

A study of recent developments in statistics and measurement, with emphasis on the mathematical assumptions and derivations underlying the theory; will include multiple regression, analysis of variance and covariance, sampling theory, and applications of statistical methods to the development of measuring instruments.

18. *Research in Education*

Nature of scientific thinking. Finding and defining the research problem. Advantages, disadvantages, limitations and theoretical aspects of various methods of doing research in education. Location, evaluation, analysis and presentation of data. The research report.

(4) The examinations shall be held at such times and under such conditions as to date of application, place of examination, percentages, term work, etc., as obtain with the Bachelor's degree.

(5) The candidate, after passing the prescribed examinations, shall also submit *on or before February 1st* a thesis on an educational topic. Before the research is begun, approval of the topic and of an outline of the proposed research must be secured from the Pedagogy Committee. The thesis must show scholarly treatment and literary excellence. After the examiners have reported in favour of the candidate's examinations and before the D. Paed. degree is conferred, the candidate shall furnish the Secretary of the School of Graduate Studies with three copies of the thesis, and shall make arrangements to publish the thesis or an approved abstract thereof. If the candidate publishes only an abstract of his thesis, he shall furnish the Secretary of the School of Graduate Studies with twenty-five copies of the abstract.

(6) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, Regular College Session, including examination and library fees	125.00
Examination, per unit	3.00
Examination of thesis	10.00
Degree	25.00

All fees shall be paid to the University of Toronto with the application for registration or examination as the case may be.

COURSES FOR DEGREES IN EDUCATION

The Ontario College of Education offers courses of instruction for degrees in Education during the regular college session and during the summer session.

80. DEGREE OF BACHELOR OF EDUCATION (B.ED.)

The degree of Bachelor of Education will be awarded under the following conditions:

(1) The candidate shall (*a*) hold an approved degree in Arts, Education, Science, Agriculture, Engineering, or Commerce, (*b*) hold a certificate as teacher valid in one of the Provinces of Canada and issued after a regular course in an approved training school or the equivalent of such certificate and course of training, and (*c*) have completed one year's successful teaching experience subsequent to having obtained a teaching certificate.

(2) The candidate shall be in attendance at the Ontario College of Education during one summer session.

(3) The course shall consist of the following two units:

1. *The Development of Modern Educational Systems.*
   The movement towards state responsibility for the education of all, and the extension of state-controlled systems of education, particularly in Great Britain, the United States and Canada during the past two centuries.
2. *The Development of Modern Educational Thought and Practice.*
   The thinking of outstanding educators and changing concepts of society which influenced classroom practice in England, the United States and Canada during the past two centuries.

(4) The examination, one paper per unit, shall be held in April and May at the University of Toronto or in other localities in the Province approved by the Senate and under a presiding examiner appointed by the Senate, provided the candidate thereat defray the cost of the local examination. The candidate shall send notice not later than the 15th day of March of his intention to take the examinations and of the locality in which he wishes to write such examinations.

(5) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Examination, per unit	3.00
Degree	10.00

All fees shall be paid to the University of Toronto with the application for registration or examination, as the case may be.

(6) The standard for a pass shall be 60 per cent. of the marks assigned to each unit. On the report of the instructors concerned a maximum of 25 per cent. of the marks in any unit may be assigned to the term work of the candidate.

81. DEGREE OF MASTER OF EDUCATION (M.ED.)[1]

The degree of Master of Education (M.Ed.) will be awarded by the School of Graduate Studies under the following conditions:

(1) The candidate shall hold the degree of Bachelor of Education from the University of Toronto, or the equivalent.

(2) The candidate shall be in attendance at the Ontario College of Education during one regular session and one summer session *or* during three summer sessions.

(3) The course shall consist of six of the following units:

3. *Educational Psychology*
   An introductory course in general educational psychology.
4. *School Law and Administration of Education in Ontario.*
5. *Supervision*
   Functions and duties of supervisors and principals as related to the administration of the elementary and secondary school and improvement of instruction; specific administrative and supervisory techniques.
6. *Principles and Practices in School Administration*
   The administration of education in England, the United States, Canada, Australia, New Zealand and South Africa. Relevant information regarding other countries may be included.
   The course will include a consideration of such topics as centralization *vs.* decentralization, school legislation, division of duties between central and local authorities, educational finance, supervision, etc. Comparisons between systems in different countries will be stressed throughout the course.
7. *Measurement in Education.*
   An evaluation of various types of objective and essay-type examinations. The preparation and use of new-type tests. Standardized tests. The measurement of general and specific aptitudes, personality traits, and school achievement. Interpretation of test results.
8. *Educational and Vocational Guidance.*
   Basic principles and current practices in educational and vocational guidance, with a discussion of diagnosis, counselling, and the place of group work, in a student personnel programme.
9. *Instructional Techniques and Practices.*
   The development of theories of learning from Pestalozzi to modern times, and the influence of these theories on curricula and methods. A study of such general methods as the Dalton Laboratory Plan and the Enterprise Method, as well as an evaluation of various methods of teaching the subjects of the elementary and the secondary school curriculum.

[1]See Section 7(4) for information regarding a Fellowship in Education.

10. *Educational Statistics and Experimental Methods.*
An introductory course in elementary statistics. Design of experiments, including the logic of generalizing from a sample to the population and methods of planning investigations.

11. *Modern Philosophies of Education.*
Critical survey of modern philosophies and the conflict of essentialist and progressivist schools of thought.
The nature of society and the aims of education in different types of society—especially in a democracy.
Various educational agencies; the peculiar place of the school; an evaluation of the school and a noting of new ventures designed to take care of the inadequacies of the school.

12. *Intelligence and its Measurement*
The nature, growth and distribution of intelligence. The preparation, administration and interpretation of group and individual mental tests.

13. *Mental Health and Child Study.*
The factors involved in child development (pre-school period, early school years, intermediate years, adolescence) and the difficulties and problems of each period. The preventive and remedial phases of mental health.

14. *Diagnosis and Remedial Instruction*
Study of pupil difficulties and techniques of preventive and remedial teaching, with special emphasis on practices suitable for typical classrooms; use of diagnostic tests, observations and examinations and interpretation of the results.

15. *Adult Education.*
History and organization of adult education in Canada; a survey of current philosophies of education in the adult field; psychology of learning for adults; problems of administration and presentation of adult education, and allied topics.

16. *Curriculum.*
Principles, problems, experiments, trends in curriculum development in elementary and secondary schools. Factors involved in leadership in curriculum development and the improvement of instruction. Analysis of curriculum programme in relation to modern concepts of curriculum.

17. *Advanced Statistics and Measurement.*
A study of recent developments in statistics and measurement, with emphasis on the mathematical assumptions and derivations underlying the theory; will include multiple regression, analysis of variance and covariance, sampling theory, and applications of statistical methods to the development of measuring instruments.

Not more than four of these units shall be taken during a regular College Session and not more than two during a Summer Session. Courses will be offered in the regular Session for full-time students only. Not all units will be given in any one Session. Certain of the units will be offered only in alternate Sessions.

Candidates who secure 75 per cent or more on at least two of the first four units elected in this course may apply for permission to substitute a thesis for attendance and examination in the last two units of the course. Such permission should be sought only by candidates who have confidence in their ability to conduct and report on educational research, and will be granted only to those whose standing on courses taken is high. Candidates who plan to enrol in courses leading to the degree of Doctor of Education are advised to elect the thesis option (see regulations for the degree of Doctor of Education below).

The candidate who has attended at least one Summer Session and who holds (*a*) an Ontario Inspector's Certificate, or (*b*) an Ontario Vocational School Principal's Certificate, or (*c*) an Ontario Specialist or Intermediate Guidance Certificate may be exempted from attendance in two units but shall take the written examination in these units.

For two of the above units the candidate, with the special previous consent of the Committee in charge of the courses, may substitute an approved graduate course in another department of the University.

(4) The examinations, one paper per unit, shall be held in April and May at the University of Toronto or in other localities in the Province approved by the Senate and under a presiding examiner appointed by the Senate, provided the candidate thereat defray the cost of the local examination. The candidate shall send notice not later than the 15th day of March of his intention to take the examinations and of the locality in which he wishes to write such examinations.

(5) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, regular College Session, including examination and library fees	125.00
Examination, per unit	3.00
Examination of thesis	10.00
Degree	10.00

(6) The standard for a pass shall be 66 per cent of the marks assigned to each unit. On the report of the instructors concerned a maximum of 25 per cent of the marks in any unit may be assigned to the term work of the candidate.

(7) The candidate who completed one or more subjects of the course for the degree of Bachelor of Pedagogy not later than May, 1946, will be given credit for two units per subject, these units to be approved by the ex-

aminers in the subjects concerned. Credits for units taken under former pedagogy courses may be transferred to education courses when the candidate has completed six units.

82. DEGREE OF DOCTOR OF EDUCATION (ED.D.)

The degree of Doctor of Education (ED.D.) will be awarded by the School of Graduate Studies under the following conditions:

(1) The candidate shall hold the degree of Master of Education with high standing from the University of Toronto, or the equivalent. If requirements for the degree were fulfilled in part by a Master's thesis, the candidate may at the discretion of the committee-in-charge be admitted to courses for the doctorate without further examination. The degree of Bachelor of Pedagogy with high standing from the University of Toronto will be accepted as an equivalent if the degree was conferred not later than June, 1952; those who secure the B. Paed. degree at a later date must complete two more units or a thesis.

(2) Candidates except those exempted for the reason stated in (1), shall write a qualifying examination for admission to courses leading to the Doctor of Education. This examination will be held annually in February, and details regarding it may be obtained on application to the Secretary of the Ontario College of Education[1].

(3) Candidates shall be in attendance at the Ontario College of Education during one regular College Session or two Summer Sessions. Candidates may attend one Summer Session before trying the qualifying examination but will not be permitted to write the examinations on the units attended unless and until they have passed the qualifying examination.

(4) Students in full-time attendance during the regular academic Session may enrol in the four required units, but under no circumstances will they be allowed to write the examination on these units unless and until they have passed the qualifying examination.

(5) The course shall consist of four units and a doctoral dissertation.

A candidate admitted to the course for the degree of Doctor of Education shall take any two of the units 3 to 17 not included in his course for the M.Ed. degree. The candidate shall also take the following two units:

18. *Research in Education.*
Nature of scientific thinking. Finding and defining the research problem. Advantages, disadvantages, limitations and theoretical aspects of various methods of doing research in education. Location, evaluation, analysis and presentation of data. The research report.

[1] At the discretion of the Committee, special arrangements regarding the qualifying examination may be made for students in full-time attendance.

19. *Seminar in Education.*
Presentation by candidates for the doctorate of the problems they propose to investigate and defence of procedures they intend to use. Intensive study under the direction of the staff of problems subsidiary to the topic presented. The seminar gives summer school candidates an opportunity to begin their research under close supervision.

(6) The examinations shall be held at such times and under such conditions as to date of application, place of examination, percentages, term work, etc., as obtain with Master's degree.

(7) The candidate, after passing the prescribed examinations, shall submit a doctoral dissertation on an approved educational topic. Before the research is begun, approval of the topic and of an outline of the proposed research must be secured from the committee administering the degree of Doctor of Education. Under no circumstances will a dissertation be examined for credit unless the topic and the outline have received this initial approval. Candidates should secure a copy of a statement on "Requirements Applicable to Doctoral Dissertations" from the Supervisor of Graduate Students, Ontario College of Education, to whom all general correspondence regarding dissertations may be addressed. After a dissertation has been approved by the examiners, the candidate shall furnish the Secretary of the School of Graduate Studies with three bound copies and shall make arrangements to publish the dissertation or an approved abstract thereof. If the candidate publishes only an abstract of his dissertation, he shall furnish the Secretary of the School of Graduate Studies with 25 copies of the abstract.

(8) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, Regular College Session, including examination and library fees	125.00
Examination, per unit	3.00
Examination of dissertation	10.00
Degree	25.00

All fees shall be paid to the University of Toronto with the application for registration or examination as the case may be.

DEGREES OF DOCTOR OF PHILOSOPHY (PH.D.) AND MASTER OF ARTS (M.A.)

For information about the courses for these degrees, candidates should consult the calendar of the School of Graduate Studies.

The University of Toronto issues the following official calendars, any one of which may be had on application to the Registrar of the University or to the Secretary of the Faculty about which information is sought:

CALENDARS

Admission Requirements
Admission Scholarships and Bursaries
Faculty of Arts
Faculty of Medicine
    Physical and Occupational Therapy
Faculty of Applied Science and Engineering
Faculty of Household Science
Ontario College of Education
Library School
Faculty of Forestry
Faculty of Music
School of Graduate Studies
Faculty of Dentistry
School of Law
School of Architecture
School of Physical and Health Education
School of Social Work
School of Nursing
School of Hygiene
Institute of Child Study
University Extension—
    Teachers' Classes, Summer Session,
    Certificate Course in Business (Evenings)

Enquiries about the following colleges affiliated with the University of Toronto, should be addressed directly to the college concerned:

Ontario Agricultural College, Guelph
Ontario Veterinary College, Guelph
Ontario College of Pharmacy, 46 Gerrard St. E., Toronto

book lists included

UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education

1953-1954

In view of increasing costs of supplies and labour, residence dues and other charges set forth in this calendar are subject to change by the Board of Governors.

UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education

1953-1954

THE UNIVERSITY OF TORONTO PRESS
1953

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CALENDAR, 1953-1954

1953—July 2.....Summer Session (Education and Pedagogy) opens.

Aug. 5.....Summer Session (Education and Pedagogy) closes.

Sept. 22-26...Medical Examination.

Sept. 22.....Academic year begins at 9. a.m.

Sept. 23.....Address by the President to the students of all faculties and schools at 3.45 p.m. in Convocation Hall.

Nov. 11.....Remembrance Day Service at 10.45 a.m. Lectures and laboratory classes withdrawn from 10 a.m. to 12 noon.

Dec. 18.....Last day of lectures. Term ends at 5 p.m.

1954—Jan. 4.....Winter Term begins at 9 a.m.

Jan. 20.....Last day for receiving the second instalment of fees.

Apr. 16.....Good Friday.

Apr. 26.....Spring Term begins.

May 14.....Last day of lectures.

May 17-28...Final Examinations (except for candidates for Intermediate and Specialist Industrial Arts certificates).

May 25-28...Final Examinations for candidates for Intermediate and Specialist Industrial Arts certificates.

May 26, 27, 28 University Commencement.

ADMINISTRATIVE OFFICERS

The University

President . . . . Sidney Smith, Q.C., M.A., LL.B., LL.D., D.C.L., F.R.S.C.

Vice-President . . . . . C. T. Bissell, M.A., Ph.D.
Registrar . . . . . J. C. Evans, B.A.
Librarian . . . . . W. S. Wallace, M.A., LL.D., F.R.S.C.
Warden of Hart House . . . . . J. McCulley, B.A.
Director of University Extension . . . . . J. R. Gilley, B.A.Sc.

Comptroller . . . . . A. G. Rankin, B.Com., C.A.
Bursar and Secretary to the Board of Governors . . C. E. Higginbottom, F.C.I.S.
Superintendent of Buildings and Grounds . . . . . A. D. LePan, B.A.Sc.
Chief Accountant . . . . . G. L. Court, D.F.C., B.Com., C.A.

Director of University Health Service
G. W. Wodehouse, M.C., M.D., F.R.C.P.
Assistant Director of University Health Service—Women
Miss F. H. Stewart, B.A., M.D.
Director of Athletics and Physical Education—Men . . W. A. Stevens, B.S.
Director of Athletics and Physical Education—Women . . Miss Z. Slack, B.A.
Director of the University of Toronto Press . . . . . M. Jeanneret, B.A.
Editor of the University of Toronto Press
G. W. Brown, M.A., Ph.D., F.R.S.C.
General Secretary-Treasurer of the Students' Administrative Council
E. A. Macdonald, B.A.
Associate Secretary of the Students' Administrative Council
Miss A. E. M. Parkes, B.A.
Director of Hart House Theatre . . . . . R. S. Gill, M.A.
Director of the Placement Service . . . . . J. K. Bradford, O.B.E., M.A.Sc.

Ontario College of Education

Dean . . . . . A. C. Lewis, M.A., D.Paed.
Director of the Department of Educational Research
J. A. Long, B.A., Ph.D.
Supervisor of Graduate Students . . . . . C. E. Phillips. M.A., D.Paed.
Director of the Vocational Guidance Centre . . . . . M. D. Parmenter, M.A.
Director of the Department of Vocational Training and Industrial Arts
R. D. Phillips, B.Sc.
Supervisor of Practice Teaching . . . . . H. A. McGuire, B.A , B.Paed.
Supervisor of Women Students . . . . . Miss Helen B. St. John, M.A.
Secretary . . . . . Miss A. A. L. Elliott, B.A.

Note.—Communications to the Ontario College of Education should be addressed to the Secretary, Ontario College of Education, 371 Bloor Street W., Toronto 5.

CALENDAR 1953

Jan.

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CALENDAR 1954

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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	....	....	....	....	....

June

S	M	T	W	T	F	S
....	....	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	....	....	....

July

S	M	T	W	T	F	S
....	....	....	....	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Aug.

S	M	T	W	T	F	S
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15	16	17	18	19	20	21
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29	30	31	....	....	....	....

Sept.

S	M	T	W	T	F	S
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12	13	14	15	16	17	18
19	20	21	22	23	24	25
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Oct.

S	M	T	W	T	F	S
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17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	....	....	....	....	....	....

Nov.

S	M	T	W	T	F	S
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	....	....	....	....

Dec.

S	M	T	W	T	F	S
....	....	....	1	2	3	4
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12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	....

Courses in Education

GENERAL INFORMATION

In its courses in education the Ontario College of Education trains candidates for certificates as teachers and in particular for Provincial certificates as teachers of Art, Home Economics, Physical Education, Vocal Music, Instrumental Music, Commercial Subjects, Vocational Education, Industrial Arts, as High School Assistants and as teachers of public and separate schools. It also offers courses leading to the B.Paed., D.Paed., B.Ed., M.Ed., Ed.D., M.A., and Ph.D. degrees.

The buildings of the Ontario College of Education on Bloor Street contain lecture-rooms, laboratories, and reading-rooms for the accommodation of the students, and model class-rooms for observation and practice-teaching. So far as necessary the observation and practice-teaching are supplemented by observation and practice-teaching in schools in and near the City of Toronto.

While the chief exercises of the Ontario College of Education will be conducted in the buildings on Bloor Street, the students in Education may use the University's library, gymnasium, and athletic fields, and Hart House, under such conditions as obtain with other students. They will also be admitted free to the Royal Ontario Museum, Bloor Street, and to the Toronto Art Gallery, Dundas St., from 9 a.m. to 5 p.m., on presentation of their registration cards.

BOARD AND LODGING

The Secretary of the Ontario College of Education will forward lists of boarding-houses on request.

COURSES AND CERTIFICATES

1. (1) The following courses are offered:

(*a*) Courses for Interim High School Assistants' certificates, Type B; Interim High School Assistants' certificates, Type A,[1] including Physical Education, Art, Instrumental Music, and Vocal Music;[2] Interim First Class certificates;[3] Interim Elementary certificates in Art; Interim Elementary Type A certificates in Physical Education, Industrial Arts,[3] Instrumental Music, and Vocal Music; Interim Intermediate certificates

[1]See Section 18 ,1).

[2]The courses leading to High School Assistants' certificates, Type A, in Physical Education, Art, Instrumental Music and Vocal Music are open only to those who qualify under Section 26.

[3]This course may not be completed in the regular College session but requires a subsequent summer session before the candidate will be recommended for the certificate.

in Home Economics; Interim Elementary Commercial certificates; Interim Ordinary Vocational certificates; and for Intermediate and Specialist certificates in Industrial Arts.

(*b*) Courses for the degree of B.Paed. and B. Ed.

(*c*) Courses under the School of Graduate Studies for the degrees of D.Paed., M.A., M.ED., Ed.D. and Ph.D.

(2) High School Teachers' Certificates.[1]

(*a*) Grades of Certificates:

The following grades of certificates qualify the holders for teaching in High Schools and Collegiate Institutes:

(i) An Interim High School Assistant's certificate, Type B, which qualifies the holder for two years as an Assistant.

(ii) A Permanent High School Assistant's Certificate.

(iii) An Interim High School Assistant's Certificate, Type A, which qualifies the holder for two years as an Assistant and as the head of a department in a Collegiate Institute.

(iv) A High School Specialist's Certificate.

(v) A High School Principal's Certificate.

(*b*) Requirements for the above Certificates:

(i) For an Interim High School Assistant's Certificate, Type B: The completion of the professional course of training for this certificate at the Ontario College of Education.

(ii) For a Permanent High School Assistant's Certificate: The Interim High School Assistant's Certificate, Type B, and two years' successful teaching experience in Ontario in a secondary school or in Grades IX or X of a Public or Separate School.

(iii) For an Interim High School Assistant's Certificate, Type A: The completion of the professional course of training for this certificate at the Ontario College of Education.

(iv) For a High School Specialist's Certificate: An Interim High School Assistant's Certificate, Type A, and two years' successful teaching experience in Ontario in the subject or subjects covered by the Interim High School Assistant's Certificate, Type A.

(v) For a High School Principal's Certificate: For this information consult the regulations of the Department of Education.

(*c*) The holders of Interim High School Assistants' Certificates, Type B, or Permanent High School Assistants' Certificates may secure Interim High School Assistants' Certificates, Type A, under the conditions outlined in Section 17 of this calendar.

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[1]For certificates in Vocational Training and in Industrial Arts, see Section 79.

SESSION

2. Enrolment will take place and the medical examination will begin at 9. a.m., Tuesday, September 22nd. The Autumn Term will end December 18th, at 5 p.m., and the Winter Term will begin January 4th at 9 a.m. The Spring Term will begin April 26th and end May 28th.

DUTIES OF STUDENTS

3. (1) Regular attendance on the part of candidates for Provincial certificates is indispensable, except for such as are exempt from attendance under the regulations of the Department of Education, and for such as are permitted by the Dean to act, after Christmas, for not more than a total of one fortnight, as substitute teachers in the schools of Ontario.

(2) Students whose class-work shows them to be unduly deficient in scholarship, or whose conduct, attendance or progress is unsatisfactory, may be dismissed from attendance by the Dean at any time during the session.

(3) On the Dean's report to the Minister of Education as to the physical unfitness of a student for training for a Provincial certificate as a teacher, the Minister may require a special medical examination of such student, and, as a result thereof, may direct that his registration for such training be cancelled.

(4) Various religious, athletic, literary and dramatic associations are formed each session. For professional improvement all students shall share in the activities of the literary and dramatic associations.

FEES

4. (a) For Intramural Students:

High School Assistants' Course, Type B, One-Year Intermediate Home Economics Course, and Vocational Training and Industrial Arts courses.

*Academic Fee	†Incidental Fees	Total Fee (if paid in one instalment)	First Term Instalment due Sept. 22	Second Term Instalment due Jan. 20
		Men		
$180	$35[1]	$215	$135	$80
		Women		
$180	$20[1]	$200	$120	$80

Notes: 1. The Academic Fee (which includes the examination and University Library fees) and the Incidental Fees are to be paid to the UNIVERSITY OF TORONTO. After January 20th, an additional deferred payment fee of $1 per month shall be imposed until the whole amount is paid.

2. A College Library deposit of $1 is to be paid at the College.

3. There is no additional fee for a High School Assistants' course, Type A, or for a Supplementary course when taken concurrently with the High School Assistants' course, Type B.

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*The fee is the same for the regular College Session as for the Session after Christmas. For those who have not attended an Ontario Secondary School for at least two years or who have not graduated from an Ontario University or whose home addresses as recorded on the register of the University from which they graduated are outside the Province of Ontario, the Academic Fee is $255.

†These Incidental Fees include the following fees:—

For men—Hart House; Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

For women—Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

[1]A student who holds an Ontario teaching certificate will pay $33 or $18, as the case may be, because he or she will not be required to take a medical examination.

(*b*) For Extramural Students:

Fee for the final examinations of the High School Assistants' course, Type B, which includes the fee for the final examinations of the High School Assistants' course, Type A, if taken concurrently	$20.00
Fee for the final examinations of the High School Assistants' course, Type A, if taken in a different Session from the final examinations of the High School Assistants' course, Type B	5.00
Fee for examination in one subject of any course when repeated in a subsequent Session	2.00

5. (1) EXEMPTION FROM FINAL EXAMINATIONS

Exemption from the final examinations of the various courses in which they are enrolled may be granted, in one or all, to intramural candidates, whose fees are paid in full by May 14, 1954, and whose progress and achievement have been reported as satisfactory by the supervisor of practice-teaching and by all of the instructors in the various subjects of study. The report of the supervisor of practice-teaching shall be based upon the critics' estimates of the practice-teaching of students concerned, and the reports of the instructors in the subjects of study shall be based upon term tests, assigned term-work and the instructors' observation of the students' interest and effectiveness in the work of the course or courses concerned.

(2) FINAL EXAMINATIONS

No candidate will be permitted to take more than twice any final examination, or part thereof, for any certificate listed in this calendar.

APPEALS

6. The answer papers of the final examinations of all unsuccessful candidates for Provincial certificates are re-read by the examiners, and the results of the first reading reconsidered before a decision to reject is reached. Despite this fact any unsuccessful candidate may have his case considered a third time if within two weeks after the announcement of the results he lodges with the Minister of Education his appeal, with a statement of the grounds on which it is based, and with a fee of $2.00. The fee will be refunded if the appeal is sustained.

7. SCHOLARSHIPS AND PRIZES[1]

NOTE

On account of the continued tendency towards lower rates of interest, it is possible that the value of certain endowed scholarships and prizes at the time of payment may prove to be less than the amount stated in the calendar.

In those cases where the amount of the award is not payable from income earned on an endowed fund, payment will be dependent on the receipt of the amount of the annual award from the donor.

THE HUGH W. BRYAN MEMORIAL SCHOLARSHIP OF THE ONTARIO SECONDARY SCHOOL TEACHERS' FEDERATION

(1) The Ontario Secondary School Teachers' Federation has founded an annual scholarship of the value of the interest on $2,000 in memory of a former President of the Federation, Dr. Hugh W. Bryan. This scholarship will be awarded by the Bryan Memorial Scholarship Committee of the Federation, at the close of each session and after the receipt of a report from the Council of the College of Education, to the student in regular attendance throughout the session in the High School Assistants' Course who has shown "the most outstanding qualities of scholarship, teaching ability, and character."

THE LAURA L. OCKLEY SCHOLARSHIP IN HOME ECONOMICS

(2) Former students of Miss Laura L. Ockley, who was in charge of the training of Home Economics teachers in the University of Toronto from 1912 to 1943, have founded in her honour an annual scholarship of the value of $100. This scholarship will be awarded at the close of the session to a student in regular attendance in the High School Assistants' course, Type A, in Home Economics, or in the Intermediate Home Economics course, who has shown the most outstanding qualities of "scholarship and teaching ability in Home Economics and leadership in human relations." Awards over a period of years will be made to students of the High School Assistants' course, Type A, in Home Economics, and of the Intermediate Home Economics course in proportion to the registration in these courses during that period.

THE PAKENHAM MEMORIAL PRIZE

(3) As a memorial to Dr. William Pakenham, Dean of the Ontario College of Education from 1907 to 1934, the teachers of Ontario have founded an annual Memorial Prize of the value of the interest on $1,000.

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[1]Only one scholarship or prize shall be awarded to any one student.

The Prize will be in the form of books stamped with the Coat of Arms of the University of Toronto, and will be awarded to the student who obtains the highest standing, as reported in the annual returns of the College, in the subjects of Part I of the High School Assistants' course, Type B, and in Practice Teaching.

THE WILLIAM PAKENHAM FELLOWSHIP IN EDUCATION

(4) The late William Pakenham bequeathed to the University of Toronto the residue of his estate to be used as the governing body of the University may direct in behalf of the activities of the Ontario College of Education.

Accordingly a Fellowship in Education has been established for advanced work either in the University of Toronto or in some other university approved by the Senate. The Fellowship shall be awarded at such intervals and have such value (not to exceed $3,000) as the Senate, on the recommendation of the Council of the Ontario College of Education, may from time to time determine. Applicants must be residents of Ontario, holding a Bachelor's degree, a teacher's certificate valid in a Canadian province, and must submit a record of professional experience and evidence of ability to make a contribution to education in Canada as a result of further work.

Applications shall be made on or before March 1st to the Secretary, Ontario College of Education.

THE JOHN THOMAS CRAWFORD MEMORIAL SCHOLARSHIP

(5) Mrs. J. T. Crawford has established an annual scholarship of $150.00 in the University of Toronto in memory of her husband, the late Professor John Thomas Crawford.

The scholarship, known as the John Thomas Crawford Memorial Scholarship, will be awarded to the candidate in the honour course in Mathematics and Physics in the University of Toronto who stands highest in the final examinations of the fourth year among those who proceed to the Ontario College of Education. The Scholarship will be paid on the successful completion of the fall term of the College of Education.

If no graduate of the Mathematics and Physics course attends the College the highest qualified candidate from the Physics and Chemistry course or from the Engineering Physics course, taken in that order, will be awarded the scholarship when other conditions are satisfied.

8. DOMINION-PROVINCIAL STUDENT-AID BURSARIES

Bursaries may be awarded to students in financial need who are resident in Ontario and who are in attendance at the University of Toronto. Further information may be obtained from the Secretary of the Faculty.

9. HART HOUSE

All men students are required to become members of Hart House. The purpose and the conditions of this membership are defined in a bulletin to be distributed at the time of registration.

COURSE FOR THE INTERIM HIGH SCHOOL ASSISTANT'S CERTIFICATE, TYPE B

CONDITIONS OF ADMISSION

10. (1) Except as provided in (2) and (3) below, an applicant for admission to the course for an Interim High School Assistant's certificate, Type B, shall make application not later than August 31st, to the Secretary of the Ontario College of Education on an official form to be obtained from the Secretary, and should submit with this application, also on official forms which will be supplied by the Secretary:

(*a*) A certificate from the Deputy Registrar-General of Births, Parliament Buildings, Toronto, or an affidavit by one of the parents or other relative, or other person cognizant of the fact, that the applicant will be at least 20 years of age before October 1st of the year in which he applies for admission.

(*b*) A certificate from a clergyman or other competent authority that he is of good moral character.

(*c*) A certificate of successful vaccination.

(*d*) A certificate from a competent authority that he is a British subject.

(*e*) His certificate of graduation as Bachelor or Master of Arts, Bachelor or Master of Science, Bachelor of Commerce, Bachelor of Science in Agriculture, Bachelor of Applied Science, Bachelor of Household Science, Bachelor of Music[1] or Bachelor of Physical and Health Education, from a British university, after a regular university course approved by the Minister of Education as to admission requirements and as to content of the undergraduate courses.

(2) Before the final admission, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education. The medical examination shall be completed before the opening of the regular College Session.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 22nd, and shall hold themselves in readiness to appear for subsequent further examination as required. *Students are required to be in continuous attendance at the College during the period of the medical examination, September 22nd to 26th.*

[1]This refers to the degree in the course in School Music of the University of Toronto introduced in 1946.

(3) Before the final admission, an applicant must also be approved by a Selection Committee consisting of at least three members of the College Staff and a member of the Ontario Secondary School Teachers' Federation, all of whom shall be appointed by the Dean.

(4) In the event of the rejection of an applicant in consequence of the medical examination or by the Selection Committee, and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

(5) An applicant for admission to this course who is not a candidate for the certificate of the Ontario Department of Education must comply with such conditions of admission as the Council of the Ontario College of Education may determine.

(6) Applications for admission to the examinations by students not in attendance at the regular session should be made, at least one month before the examinations begin, to the Secretary of the Ontario College of Education, University of Toronto, on an official form to be obtained from the Secretary.

11. TEXT-BOOKS

The text-books for the academic work are those prescribed for the High Schools of Ontario in each subject of the student's course.

For Observation and Practice-teaching students should supply themselves with copies of all necessary school text-books.

12. PROGRAMME OF STUDIES

(1) The course of training for the Interim High School Assistant's certificate, Type B, consists of two parts as follows:

Part I: (*a*) General professional courses, including an Introduction to Education, Educational Psychology, and School Management and Law.

(*b*) Courses in methods of teaching any *two* [1, 2] of the following:

English
Geography and History
Mathematics
Science
Latin

[1]Candidates for High School Assistants' certificates, Type A, as defined in section 18 (1), in selecting their subjects from (*b*) above, must include the corresponding subject or subjects of the High School Assistants' course, Type A.

[2]German, Spanish, Greek and Italian may be chosen only by candidates for the High School Assistants' certificates, Type A, except by permission of the Dean.

French
German
Greek
Spanish
Italian

Part II: Observation and Practice Teaching.

(2) Students in attendance in the High School Assistants' course, Type B, may take also, if they possess the required qualifications, a High School Assistant's course, Type A, and a Supplementary course.

(3) Diction and Voice Production.

At the beginning of the session the short course of lectures on Diction and Voice Production mentioned in Section 63 will be given. These lectures will be supplemented by corrective work with students whose need in this respect is revealed in their practice-teaching. Students requiring speech correction may be withdrawn by the Dean from their supplementary courses for this remedial work.

ORGANIZATION OF COURSE

13. (1) The instruction in the special methodology of the subjects of the High School courses shall be accompanied by a review from the academic standpoint of such portions of each subject as may be necessary to determine the scholarship of the students and to illustrate the methods of instruction in that subject, dealing in particular with those parts of the course that are difficult of presentation.

(2) The following introductory work shall be taken up at the beginning of the session:

(*a*) A brief course in the General Method of the Recitation as a preliminary to Observation and Practice-teaching.

(*b*) Supervised Observation and Practice lessons in High School grades. Students shall be notified of the subject and scope of each Observation lesson, and should prepare the lesson beforehand. After observing the lesson they shall discuss it with the teacher or lecturer concerned.

(3) The introductory course defined in (2) above shall be followed by systematic Observation and Practice-teaching, under the general supervision of the lecturers in the Ontario College of Education.

The Observation work shall begin in the third week of the session, and the Practice-teaching in the fifth week. Exclusive of the introductory work, the programme of instruction shall include for each student at least 25 full days of Observation and Practice-teaching. This number may be increased to meet the needs of individual students.

(4) (*a*) The Observation and Practice-teaching for each student shall be arranged to represent as far as practicable the work in all grades of the Lower, Middle, and Upper Schools of the High Schools.

(*b*) From time to time, throughout the College session, students shall be excused from the regular College exercises, and shall be assigned

to approved practice-schools for continuous periods of Observation and Practice-teaching. For part of each of these periods of continuous practical work the student shall be wholly responsible for the management of his class.

(5) Students shall be notified of the subject and the scope of each Practice-teaching lesson required and shall prepare a plan of each Practice-teaching lesson for submission to the teacher.

(6) (*a*) The lecturers of the Ontario College of Education shall develop the details of their subjects in the teaching order, and, after each suitable step, model lessons will be taught in special classes and in the practice schools.

(*b*) From time to time, the lecturers of the Ontario College of Education shall be present at the Observation lessons and Practice-teaching of the students and shall join in the criticism and valuation of their work.

EXAMINATIONS

14. (1) The final standing of students in attendance shall be determined by the combined results of the sessional records and the records of the final examinations in the subjects of Part I, and by the results of the records of the Observation and Practice-teaching of Part II.

(2) The sessional records represent oral and written exercises, practical work, practice in making examination papers, and in valuing the answer-papers of pupils, and written examinations which shall test in particular the academic scholarship of the candidates.

(3) At the final examinations in Part I, each paper in the academic subjects shall contain questions in methodology, which shall test also the candidate's academic knowledge and, if his sessional records and his answers to these questions show that his academic knowledge is defective, he shall be rejected on this ground alone.

(4) No student in Science or in Modern Languages shall be recommended for a certificate who is not awarded 50% of the marks assigned to laboratory practice in Science or to the oral practice in the Languages.

(5) The maximum marks assigned to each subject in Part I shall be 100. In all subjects a maximum of 40% of the marks shall be assigned to the sessional records and 60% to the final written examinations.

(6) A maximum of 800 marks shall be assigned to Practice-teaching and of 300 to Observation. The standing of the student in Observation and in Practice-teaching shall be based upon his sessional records in the lessons following those which form part of the introductory courses.

CERTIFICATES

INTRAMURAL CANDIDATES

15. (1) A student who obtains 50% of the marks in each of the required subjects of Part I and 60% of the aggregate of the marks in each of the

divisions of Part II, may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim High School Assistant's certificate, Type B.

(2) A student who passes in Part II and fails in not more than one of the required subjects of Part I will be exempted from further attendance.

(3) All other students who have failed to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

EXTRAMURAL CANDIDATES

16. (1) (*a*) Candidates who are exempted from attendance at the Ontario College of Education, as provided in Section 15 (2), may complete their standing for a certificate by re-writing, at an annual examination, the examination in the subject in which they failed.

(*b*) Candidates who failed at an examination under former Regulations and who were exempted from subsequent attendance at the Ontario College of Education shall take, not later than a date determined in each case by the Minister of Education, the final examination papers as prescribed herein but their standing shall be determined in the subjects as constituted under the regulations in force when they first wrote.

(*c*) Candidates who have been exempted by the Minister of Education from attendance at the Ontario College of Education on account of equivalent training in other provinces or countries, or because they hold Permanent First Class certificates issued on the completion of a second session of attendance at a Provincial Normal School,[1] or because they hold Permanent First Class certificates and for at least the last two years of their teaching experience have been graded better than "Average" by the Inspectors on the Teachers' Record Cards, and who are required to write on the final examinations of the Ontario College of Education shall present to the College, on or before February 15th of the year in which they write the final examinations of the High School Assistants' course, Type B, evidence of graduation as required by Section 10 (1) (*e*)[2]; they shall take the prescribed final examinations in the subjects of Part I, and shall also satisfy the examiners that they are competent to teach efficiently the subjects of the High School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

[1]From July 1, 1953, the Normal Schools will be called Teachers' Colleges.

[2]From candidates exempted from attendance by the Minister, the College will accept in lieu of the actual certificate of graduation, an official statement from the candidate's university that the candidate has completed the work for the degree on or before February 15th of the year in which he presents himself to write the final examinations of the College, and that he will receive the degree at the next regular Convocation of his university.

(2) The pass standard for candidates exempt from attendance shall be the same as that for candidates in attendance, as required by Section 15 (1), but no allowance shall be made for sessional work, if any, in the case of candidates not in attendance.

(3) (*a*) Candidates exempt from attendance at the Ontario College of Education under (1) (*c*) above or (4) (*a*) below shall take their practical tests in Part II at such times during the session as may be agreed upon with the examiners, but not later than May 1st. They shall take their examinations in the subjects of Part I at one annual examination at the close of the session on dates to be determined by the examiners.

(*b*) Candidates exempt from attendance may take their written examinations in Part I at the Ontario College of Education, Toronto, or at one of the Provincial Normal Schools[1] outside of Toronto or, in the case of candidates who live in Provincial Districts, at approved local centres where inspectors of schools are available as presiding officers.

(*c*) Candidates exempt from attendance shall take their practical tests at the Ontario College of Education, Toronto, or, in special cases, at local centres under the supervision of the visiting Provincial Inspector. The conditions that determine these cases may be learned from the Ontario College of Education on application at the beginning of the session. A candidate who has failed in the practical tests at the Ontario College of Education or under a Provincial Inspector shall not be admitted to a second practical test during the same College session.

(4) (*a*) Candidates who have fulfilled the requirements for admission to the High School Assistants' course, Type B, and (i) who hold Ontario First Class certificates issued on the completion of one session of attendance at an Ontario Normal School[1] or equivalent training accepted by the Minister, and have had at least three years of successful teaching experience[2] in the Public, Separate, or Continuation Schools of Ontario, or (ii) who hold Permanent Second Class certificates issued on the completion of one session of attendance at an Ontario Normal School[1] and have had at least six years of successful teaching experience in the Public or Separate Schools of Ontario, or (iii) who hold Permanent Second Class certificates issued on the completion of a second session of attendance at an Ontario Normal School[1], or (iv) who hold interim Vocational certificates and have had at least two years of successful teaching experience in the Vocational Schools of Ontario, shall be exempted from attendance at the Ontario College of Education but shall attend the Summer course for a High School Assistant's certificate, Type B, conducted by the Department of Education, and shall take the final examinations of the Summer course in the prescribed subjects of Part I. They shall also

[1]See footnote 1, page 18.

[2]Service personnel may count a year of service for a year of teaching experience, up to a maximum of two years, but *such candidates will be required to take a practical test in teaching*

satisfy the examiners that they are competent to teach efficiently the subjects of the High School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

(*b*) A candidate who has been duly admitted to the Summer Session for the High School Assistant's certificate, Type B, who attends throughout the session, and who successfully passes the examinations at the close of the session, may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim High School Assistant's certificate, Type B. The recommendation, however, will be withheld until the candidate has satisfied the examiners as indicated in (4) (*a*) above that he is competent to teach efficiently the subjects of the High School courses.

(*c*) Candidates who have obtained Interim Vocational certificates by attendance at the Ontario Training College for Technical Teachers or the Ontario College of Education, and who in addition to the practice teaching lessons required for a Vocational certificate, have taught to the satisfaction of the staff of the Ontario College of Education, at least ten lessons in academic subjects (English, Mathematics and Science) shall be exempted from the practical test in teaching.

(*d*) Candidates who have attended the Summer Course or have been exempted from attendance under (i) (*c*) above, and who fail in one or more of the various tests prescribed for an Interim High School Assistant's certificate, Type B, may complete their standing for said certificate under the following conditions: (i) candidates who fail in the practical test in teaching shall be admitted to a second test in a subsequent College Session; (ii) candidates who fail in more than one subject of Part I shall rewrite at one annual examination of the College Session the examinations in all prescribed subjects of Part I; (iii) candidates who fail in not more than one subject of Part I may rewrite at an annual examination of the College Session, the examination in the subject in which they failed; (iv) candidates who do not pass the final examinations of the Summer Session will be required to take the final examinations of the regular College Session within three years of having attended a Summer Session in this course, or must re-attend the Summer Session in order to be eligible for admission to the examinations for an Interim High School Assistant's certificate, Type B.

(*e*) Other candidates who hold an Ontario First or Second Class certificate with the academic standing required for admission to the High School Assistants' course, Type B, shall be exempted from attendance during the Autumn term[1]; but shall take all sessional tests held in the

[1]Application for admission to the College at the beginning of the second term in January should be made not later than December 1st. Enrolment in January may be limited according to the available accommodation.

Winter and Spring terms and all the final examinations prescribed for Part I and shall also satisfy the examiners by practical tests that they are able to teach the subjects of the High School courses.

COURSES FOR INTERIM HIGH SCHOOL ASSISTANTS' CERTIFICATES, TYPE A

CONDITIONS OF ADMISSION

17. (1) Applicants for admission to the courses for Interim High School Assistants' certificates, Type A, or to the final examinations for said certificates, shall also be applicants for admission to the course for the Interim High School Assistant's certificate, Type B, or shall be applicants for admission to the examinations therefor without attendance throughout the session, or shall already hold High School Assistants' certificates. No candidate will be awarded an Interim High School Assistant's certificate, Type A, or receive credit towards said certificate *before* he has been awarded an Interim High School Assistant's certificate, Type B.[1]

(2) A candidate for an Interim High School Assistant's certificate, Type A, who is also a candidate for admission to the course for an Interim High School Assistant's certificate, Type B, shall comply with the conditions for admission prescribed for candidates for the Interim High School Assistant's certificate, Type B, and shall submit evidence of standing not lower than 66% in the final or graduation courses approved by the Minister of Education.

(3) The applicant whose standing is below 66% but not lower than 60% in these approved courses will be admitted to the final examinations leading to the Interim High School Assistant's certificate, Type A, on submitting evidence from the Principal and High School Inspector of at least ten years' teaching experience, graded better than average, in a High School, Collegiate Institute or Vocational School of Ontario subsequent to obtaining the academic standing referred to above.

COURSES[2]

18. (1) Courses shall be offered for Interim High School Assistants' certificates, Type A, in Agriculture, Classics, English, English and French, English and German, English and Latin, English and Spanish, Geography, History, French and German, French and Italian, French and Spanish, Latin and French, Latin and Greek, Mathematics, Mathematics and Physics, Science, Physics and Chemistry, Physics and Biology, Chemistry and Biology, and Home Economics.

(2) Courses shall also be offered leading to Interim High School Assistants' certificates, Type A, in Physical Education, Art, Instrumental Music, and Vocal Music, under the conditions defined in Section 26.

[1]See Section 1 (2).

[2]See footnotes 1, 2, page 15.

(3) Each Type A course shall consist of at least the equivalent of two seminar-periods per week throughout the Session and of special Observation and Practice-teaching in the subjects in which the candidate is an applicant for a High School Assistant's certificate, Type A.

TEXT-BOOKS

19. Students in the courses for High School Assistants' certificates, Type A, shall supply themselves with such text-books as may be recommended by the instructors.

EXAMINATIONS

20. (1) Subject to the condition that no student may be awarded an Interim High School Assistant's certificate, Type A, who does not already hold or is not also awarded an Interim High School Assistant's certificate, Type B, the final standing of students in attendance in the High School Assistants' courses, Type A, shall be determined by the records of the Practice-teaching in the department or subject concerned, and by the combined results of the sessional records and the records of the final examinations in the same department or subject. The sessional records represent oral and written exercises, practical work, practice in preparing examination papers, and in valuing the answer-papers of pupils, and such term work as the instructors may prescribe. The records of the final examinations shall be based upon two examination papers taken in each department at the close of the session. The maximum marks represented in the Practice-teaching shall be 100; in the sessional records 40; and in the final written examinations of the department or subject 60.

(2) The final standing of students not in attendance shall be determined by the final written examinations and by teaching in the department concerned. For this purpose the maximum of marks in each case shall be 100.

CERTIFICATES

21. (1) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A, referred to in Section 18 to students in attendance who have fulfilled the conditions of the course for the Interim High School Assistant's certificate, Type B, and in their High School Assistants' course, Type A, have obtained (*a*) 66% of the aggregate of marks represented in the sessional records and the records of the final examinations and (*b*) 66% of the marks assigned to the Practice-teaching.

(2) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A, of Section 18 (1) to students exempt from attendance who hold or are awarded High School Assistants' certificates, who are duly qualified for admission to a High School Assistants' course, Type A, and who obtain 66% of the marks assigned to the written examinations and to the Practice-

teaching, respectively, in the High School Assistants' course, Type A, concerned.

(3) Students who are awarded Interim High School Assistants' certificates, Type A, in Home Economics under (1) and (2) above and who hold or obtain First or Second Class certificates may have their High School Assistants' certificates, Type A, endorsed as valid in the Home Economics departments of the Public and Separate Schools.

(4) (*a*) For students not in attendance the written examinations in the courses for Interim High School Assistants' certificates, Type A, of Section 18 (1) will be held at the close of the session at such centres and under such conditions as are set out in Section 16 (3).

(*b*) For students not in attendance the practical examinations shall be held at the Ontario College of Education, Toronto, or at local centres as prescribed in Section 16 (3).

SUPPLEMENTARY COURSES[1]

22. Students in attendance in the High School Assistants' course, Type B, may take also *one*[2] of the following Supplementary courses:

I. Course for the Elementary Physical Education certificate, Type A.
II. Course for the Elementary Art certificate.
III. Course for the Elementary Vocal Music certificate, Type A.
IV. Course for the Elementary Instrumental Music certificate, Type A.
V. Course for the Elementary Commercial certificate.[3]

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[1]Students taking the High School Assistants' courses, Type A in Physical Education, Art, Vocal Music, Instrumental Music, or Home Economics are responsible for the Elementary course, or in the case of Home Economics the Intermediate course, in these subjects and may not take a supplementary course in another field.

[2]Any student may, with the approval of the instructor, take the Elementary courses in both Vocal Music and Instrumental Music.

[3]Admission to this course is restricted to students who submit evidence of having a satisfactory functional knowledge of the elementary principles of Bookkeeping, Shorthand and Typewriting, or of having successfully completed an approved course in Bookkeeping, Shorthand and Typewriting in a Vocational secondary school or at a university. A student who submits the required evidence with respect to *two* of the three subjects mentioned above may be allowed by the Dean to proceed with the course. A supplementary course for beginners in Bookkeeping, Shorthand, Typewriting and Penmanship is also open fo any one who wishes to commence the study of these subjects with the intention of continuing in commercial education. Upon the successful completion of the beginners' course, a subsequent Summer Session would be required to obtain the Elementary certificate.

VI. Course for the Elementary Industrial Arts certificate, Type A.[4]

VII. Course for the Intermediate Home Economics certificate.[5]

VIII. Course for the First Class certificate.[4]

Within one month of the beginning of the above Supplementary courses, the student shall satisfy the instructor of the Supplementary course he has chosen that he is adapted to the study of the course, or his registration in the Supplementary course shall be cancelled.

23. (1) The subjects of supplementary courses I-VIII shall be those set forth in Sections 52-62 and 31, respectively. Observation and Practice-teaching are obligatory in each of these supplementary courses.

(2) Students in supplementary courses I-VIII shall supply themselves with such text-books and equipment as may be recommended.

EXAMINATIONS OF SUPPLEMENTARY COURSES I-VII[1]

24. (1) PHYSICAL EDUCATION:

Practical Tests:

FOR WOMEN: Gymnastics, Games, Rhythmics.

FOR MEN: Basic Drill, Gymnastics, Apparatus, Games, Swimming.

Fifty per cent of the marks in each of the practical tests shall be assigned to the sessional and fifty per cent to the final tests.

Written Examination:

Theory, Methods and Materials.

(2) ART:

Practical Tests:

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering.

Written Examinations:

Theory and History of Art, Methods of Teaching Art.

(3) VOCAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Voice Training and Song Material, Conducting.

Written Examinations:

Rudiments of Music, Music Appreciation, Methods.

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[4]The Supplementary courses leading to the First Class certificate and to the Interim Elementary Type A certificate in Industrial Arts may not be completed in the regular College session, but require one subsequent Summer session before the candidates will be recommended for the certificates.

[5]Admission to this course is restricted to students who submit evidence of graduation, with a standing not lower than 60% in the Home Economics of the final year from a University course approved by the Minister of Education in which, for at least the last two years of the course, Home Economics has been a regular subject of study.

[1]See Section 32 for Course VIII.

(4) INSTRUMENTAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Technical Training, Conducting.

Written Examination:

Methods.

(5) COMMERCIAL SUBJECTS:

Practical Tests:

Shorthand Practice, Typewriting, Penmanship.

Written Examinations:

Shorthand Theory, Bookkeeping, Methods.

(6) INDUSTRIAL ARTS:

Practical Tests:

Draughting, Woodworking, Sheet Metal Work, Machine Shop Practice.

Written Examination:

Methods of instruction and class organization of the General Shop.

(7) HOME ECONOMICS:

Practical Tests:

Meal Management; Care of the Home and Family; Clothing—Selection, Construction and Care.

Written Examination:

Theory and Methods. Parts I and II

CERTIFICATES FOR SUPPLEMENTARY COURSES I-VII[1,2]

25. (1) On the recommendation of the examiners the Minister of Education may grant an Elementary certificate in Art or an Elementary Commercial certificate or an Elementary Type A certificate in Physical Education or Vocal Music or Instrumental Music or an Intermediate certificate in Home Economics, or standing in Part I of the course for the Elementary Type A certificate in Industrial Arts, as the case may be, to a student in the course for an Interim High School Assistant's certificate, Type B, provided that the said student is awarded an Interim High School Assistant's certificate, Type B, and obtains a minimum of 60% of the marks assigned to practice-teaching and (*a*) in Art or Physical Education or Industrial Arts a minimum of 50% of the marks assigned to each subject of the written examination and 60% of the marks assigned to each subject of the practical tests, or (*b*) in Commercial subjects a minimum of 50% of the marks assigned to each subject, or (*c*) in Vocal Music or Instrumental

[1]The certificates which are mentioned herein are those valid for teaching in High Schools, i.e., in Physical Education, the Elementary Type A, and the Type A; in Vocal Music and Instrumental Music, the Elementary Type A, and the Type A; in Art, the Elementary and the Type A; in Industrial Arts, the Elementary Type A; in Home Economics, the Intermediate; and in Commercial Subjects, the Elementary.

[2]See Section 33 for Course VIII.

Music or Intermediate Home Economics a minimum of 60% of the marks assigned to each subject of the written examination and practical tests.

No student shall be recommended for a certificate or for standing in Art or Physical Education or Vocal Music or Instrumental Music or Industrial Arts or Home Economics or Commercial Subjects whose attendance or progress in any part of the course has been reported as unsatisfactory.

(2) The Dean shall investigate the claims of the candidates for the Elementary Type A certificate in Physical Education who report themselves as unable for physical reasons to take the course in swimming, provided that such claims are presented to the instructor on a form and after a manner defined by the Minister of Education. Candidates who are exempted by medical certificate from the course in swimming and candidates who have failed to obtain pass standing in the course in swimming may be awarded Elementary Type A Physical Education certificates endorsed "not including swimming".

(3) On the recommendation of the examiners, the Minister of Education may permit candidates in the supplementary courses I-VII who have been awarded Interim High School Assistants' certificates, Type B, and have obtained a minimum of 60% of the marks assigned to practice-teaching but have failed to obtain standing in their respective courses to complete their standing in said courses under the following conditions:

(i) In Physical Education or Industrial Arts or Home Economics, candidates who fail in the written examination, but pass in all the subjects of the practical tests may complete their standing by passing in the written examination at a subsequent examination without further attendance; candidates who pass in the written examination but fail in one or more of the subjects of the practical tests may complete their standing by passing in the subjects concerned at a subsequent Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(ii) In Art or Vocal Music or Instrumental Music, candidates who fail in not more than two subjects of the written and practical tests may complete their standing by passing in the subjects concerned at a subsequent examination without further attendance, but in the subjects of the practical tests such candidates must try the tests conducted at the Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(iii) In the Commercial course, candidates shall be allowed credit towards an Elementary certificate in the subject or subjects in which they are successful.

COURSES FOR THE HIGH SCHOOL ASSISTANTS' TYPE A CERTIFICATES IN PHYSICAL EDUCATION, ART, VOCAL MUSIC, AND INSTRUMENTAL MUSIC

26. (1) Admission to the High School Assistants' course, Type A, in Physical Education as well as the Elementary course in Physical Education will be granted to students (i) who hold the degree of Bachelor of Physical and Health Education of the University of Toronto with a final standing not lower than 60%, or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and who hold the degree of Bachelor of Physical and Health Education of Queen's University with a final standing not lower than 60%, or (iii) who hold the degree of Bachelor of Arts of the University of Western Ontario obtained in the honour course[1] in Physical Health and Recreation Education, with a final standing not lower than 60%.

(2) Admission to the High School Assistants' course, Type A, in Art as well as the Elementary course in Art will be granted to students who hold the degree of Bachelor of Arts of the University of Toronto obtained in the honour course in Fine Art or in Art and Archaeology with a final standing of not lower than 60%

(3) Admission to the High School Assistants' course, Type A, in Vocal Music[2] will be granted to students (i) who hold either the degree of Bachelor of Arts of the University of Toronto obtained in the honour course in Music or the Bachelor of Music degree of the University of Toronto obtained in the course in School Music,[3] with a standing of at least 60 per cent., or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the degree of Bachelor of Music of the University of Toronto obtained in the course in General Music, or (iii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the teacher's or performer's diploma of the Royal Conservatory of Music of Toronto, or the Special Music certificate of Queen's University, or the Associate (teacher's) diploma of the Western Ontario Conservatory of Music, or the Diploma of Music Graduate in Pedagogy of the University of Western Ontario.

Admission to the High School Assistants' Course, Type A, in Instrumental Music will be granted to students who hold the Bachelor of Music Degree of the University of Toronto obtained in the course in School Music.[3]

27. Students admitted to the High School Assistants' course, Type A, in Physical Education, Art, Vocal Music or Instrumental Music under Section 26 shall supply themselves with such text-books and equipment as may be recommended by the instructors.

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[1]Graduates of this course with the Recreation option are not eligible for the Type A course in Physical and Health Education.

[2]Students of the Type A course in Vocal Music may, with the approval of the instructor, take the Elementary course in Instrumental Music.

[3]This refers to the degree in the course in School Music of the University of Toronto, introduced in 1946.

CERTIFICATES

28. (1) On the recommendation of the examiners, the Minister of Education may grant High School Assistants' certificates, Type A, in Physical Education, Art, Vocal Music or Instrumental Music to those admitted under Section 26 who fulfil the conditions stated in Sections 20 and 21 (1).

(2) Students who are awarded Interim High School Assistants' certificates, Type A, in Physical Education, Art, Vocal Music or Instrumental Music under Section 26 and who hold, or obtain, Second or First Class certificates may also be awarded Supervisors' certificates valid in Public and Separate Schools.

COURSE FOR THE FIRST CLASS CERTIFICATE[1]

The course is conducted in accordance with the conditions prescribed in the Regulations, Examinations and Courses of Study of the Ontario Normal Schools.[2] It may not be completed in the regular College session but requires a subsequent Summer Session before the candidates will be recommended for the certificate.

CONDITIONS OF ADMISSION

29. Applicants for admission to the course for the Interim First Class certificate or to the final examinations for said certificate shall comply with the conditions of admission and attendance prescribed for candidates for the Interim High School Assistant's certificate, Type B. No candidate will be awarded an Interim First Class certificate before he has been awarded an Interim High School Assistant's certificate, Type B.

TEXT-BOOKS

30. The text-books for the academic work of the course shall be those prescribed in each subject for the High, Public and Separate Schools.

PROGRAMME OF STUDIES

31. The course of training, which is supplementary to the course of training for the Interim High School Assistant's certificate, Type B, includes the following subjects some of which will be offered in the regular College session, the remainder in a Summer Session:

Part I: Educational Psychology; School Management; English, Part I; English, Part II; Mathematics; Social Studies; Science and Agriculture; Art; Music; Physical Education; Health; Industrial Arts.

In the development of the methodology of the course, emphasis shall be laid upon the correlation and integration of the subjects, and upon the importance of wholesome, vigorous, shared activities, directly connected

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[1]Course VIII as listed in Section 22.

[2]From July 1, 1953, the Normal Schools will be called Teachers' Colleges.

with the learner's capacities and interests. The teacher's main function shall be represented as the stimulation and guidance of the learner, through the control of the regulating environment of the school; this postulates freedom and responsibility for the teacher and demands positive, definite teaching.

Part II: Observation and Practice-teaching—at least ten full days—to be conducted under conditions defined in Ontario Normal School courses for the Interim First Class certificate.

EXAMINATIONS

32. (1) Subject to the condition that no student may be awarded an Interim First Class certificate who is not also awarded an Interim High School Assistant's certificate, Type B, the final standing of the students in attendance in the course for an Interim First Class certificate shall be determined by the records of the Observation and Practice-teaching and by the combined results of the sessional records and the records of the final examinations in such course. Subject to the same condition, the final standing of candidates not in attendance shall be determined by the records of the final written examinations and of Practice-teaching.

(2) The examinations in the subjects of the course for an Interim First Class certificate shall be conducted, *pari passu*, in the terms and under the conditions set out in the Normal School[1] Courses for the Interim First Class certificate.

CERTIFICATES

33. (1) (*a*) Subject to the conditions of Section 32 (1), and to the conditions defined in Ontario Normal School[1] courses for the Interim First Class certificate, a candidate who obtains 60% of the marks in each subject of the course and 60% of the aggregate of the marks in each of Observation and Practice-teaching may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim First Class certificate.

(*b*) Subject to the same conditions, a candidate who passes in Observation and Practice-teaching and fails in not more than two subjects shall be exempted from further attendance and may complete his course for an Interim First Class certificate by rewriting at one annual examination the examinations in the subject or subjects in which he failed.

(2) All candidates other than those referred to in (1) (*b*) above who have failed to obtain the necessary final standing will be required to attend such other sessions as the Minister may prescribe.

(3) Section 16 (1) (*a*), (*b*), (2) and (3) (*b*), which apply to the candidates for the Interim High School Assistant's certificate, Type B, who are exempt from attendance, shall apply also, *pari passu*, to candidates for the Interim First Class certificate who are exempt from attendance.

[1]See footnote 2, page 28.

(4) The Regulations of the Department of Education respecting Permanent First Class Certificates are contained in the Department's Circular No. 72. Holders of Interim First Class Certificates obtained after training at the Ontario College of Education are referred to Regulations III (2).

DETAILS OF SUBJECTS

34. The details of the subjects of the courses for Interim High School Assistants' certificates, Types A and B, for Elementary certificates in Physical Education, for Elementary certificates in Art, for Elementary certificates in Instrumental Music and Vocal Music, for Intermediate certificates in Home Economics, and for standing in Elementary Industrial Arts, are set out below.

For the course for the First Class certificate these details and subjects shall be supplemented by the details and subjects set out in the Normal School[1] courses for the First Class certificate.

INTRODUCTION TO EDUCATION

35. (i) Instruction regarding types of lessons, preparation of lesson plans, etc., preliminary to Observation and Practice-teaching in schools. Demonstration lessons followed by discussions of the principles involved will be arranged throughout the Autumn term.

(ii) The school and society: purposes and aims of education, relationship of the school to the home and community and to other educational agencies, major problems of secondary education, survey of the chief contributions of outstanding philosopher-educationists since 1800; current school of educational thought, library practice. Teacher appraisal. Audio-visual aids. Guidance and counselling.

EDUCATIONAL PSYCHOLOGY

36. (i) The psychology of adolescence.
(ii) The psychology of adjustment.
(iii) The mental health of the pupil and teacher.
(iv) The psychology of learning.
(v) Intelligence: individual differences.

SCHOOL MANAGEMENT AND LAW

37. School Management, School Organization, School Administration; aims and scope of each; relation of each to the teaching process.

The Ontario school system: Department of Education, and its organization and functions; local administrative units; school boards, their

[1]See footnote 2, page 28.

selection, organization and functions; types of schools; school finance and business administration; relation to other public services.

The High School plant: provision, maintenance, care and use; special accommodations; relation to community activities.

The High School curriculum: aim, structure and use; texts; extra-curricular activities.

The High School pupil: attendance, rights, duties, guidance.

The High School teacher: professional status; personal qualifications; training and certification; appointment, tenure, payment, superannuation; duties in relation to trustees, parents and other citizens; duties in relation to supervisors, colleagues and pupils; freedom and responsibility.

High School organization: admission, exclusion, classification, grading, promotion, tests of progress, records and reports, recommendations, staff-meetings, time-tables, supervised study, homework.

Supervision: inspectors, principals, heads of departments; their powers and duties.

Discipline: aim and scope; relation to methods of teaching; incentives; causes of disorder and inattention; methods of dealing with weaknesses and delinquencies.

School Law and Regulations: Public Health Acts and Regulations in so far as they refer to the duties of school boards, teachers and pupils.

ENGLISH

38. (1) *Literature.*—The place of literature in school courses; the principles followed in Ontario and elsewhere in arranging literature courses for schools; books suitable for intensive and extensive study in the various forms or grades of the school; class treatment of such types of literature as the short poem, the long narrative poem, the play, the essay, the short story, and the novel; examinations in literature; supplementary reading, its importance, selection of books, testing of reading.

The course in literature includes a consideration of the problems connected with the teaching of silent and expressive reading.

(2) *Composition.*—The aim in teaching composition; principles to be followed in arranging a course; the place of grammar and of rhetoric in the High School course; the use of models; choice and variety in subjects; assigning, valuing and correcting compositions; special problems of oral composition.

SEMINAR IN ENGLISH

For Type A candidates in English and, in part, English and French, and English and Latin.

39. A consideration of the following phases of the teaching of English: (*a*) courses of study, (*b*) presentation of difficult topics, (*c*) special methods of teaching.

SOCIAL STUDIES: GEOGRAPHY AND HISTORY

40. The values of these subjects in the educational programme; the High School courses of study; examination of various possible procedures in teaching; special problems in geography and in history; special matters (map work, local observations, community histories, current events, citizenship); methods of testing and grading; books and other equipment for teaching.

41. SEMINARS IN GEOGRAPHY AND IN HISTORY.

For Type A Candidates in Geography.

(1) A study of such geographical matters as types of climate, local surveys; the presentation of selected topics; consideration of suitable equipment for teaching geography; an assessment of the place of geography in the curriculum.

(2) For Type A Candidates in History.

A more intensive study of principles and practices in the teaching of history; the organization of specific teaching units in successive grades; the discussion of topics of related interest, designed to broaden professional perspective.

MATHEMATICS

42. *General Mathematics.*—The content and methodology of the prescribed courses for Grades IX and X, including commercial arithmetic and mensuration.

Algebra and Geometry.—The content and methodology of the Middle School courses prescribed in the "Courses of Study and Examinations of the High Schools, Collegiate Institutes and Continuation Schools."

SEMINAR IN MATHEMATICS

For Type A Candidates in Mathematics and, in part, Mathematics and Physics.

43. The seminar in mathematics will discuss methods in trigonometry and statics and the more advanced parts of Algebra and geometry; the order of presenting the parts of these subjects so as to secure the most logical and impressive relation among the parts; the relations of the subjects themselves; the place of the teacher in dealing with more mature minds; the history and development of such special topics as the algebraic equation, the vulgar and decimal fraction, loci, maxima and minima, the more difficult theorems on the conic sections; examinations in mathematics, their purpose, when they should be held, the character of the paper, methods of marking, making the classroom attractive with pictures and mathematical equipment, mathematical books to interest pupils and teachers, etc.

SCIENCE

44. The following are the main topics of the course:

A. Scope and value of the natural sciences; meaning of science and scientific method; educational value of science; inductive and deductive methods of investigation.

Experimental work; how conducted, how recorded; manipulation of apparatus; making of simple apparatus; classroom discussion, its purpose, method, and relation to the experimental work; the use of text-books; note-books, method of inspection, drawing; reference books, most suitable books in each subject for the library; supplementary reading; methods in general science in Grades IX and X, illustrated in lessons upon subjects difficult of presentation.

B. Laboratory equipment for the teaching of general science, and of physics, chemistry, and biology; methods of demonstration; use of technical terms; theories, facts, scientific laws; text-books and reference books

Chemistry: Order of treatment; introductory work. Methods of conducting instruction in chemistry will be discussed, and illustrated in lessons upon subjects selected from such topics as the following: chemical laws and theories; valency; formulae and equations; nomenclature; qualitative and quantitative experiments; chemical arithmetic; the elements, with sodium and chlorine as types; chemical equilibrium; ionization in solution; structure of atom.

Physics: Methods of conducting instruction in the more difficult parts of the courses in heat, light, sound, magnetism, electricity, and mechanics will be discussed and illustrated in lessons upon subjects selected from such topics as the following: specific gravity, properties of liquids and gases, machines, friction, temperature, specific heat, laws of reflection, images in mirrors and lenses, laws of vibrating strings with problems, interference of sounds, lines of magnetic force, relation between static and current electricity, practical applications of electricity, mechanics.

Biology: Training will be given in the maintenance of aquaria and terraria so that many living Ontario plants and animals will be readily available for use in teaching the relationship between structure and function. To illustrate the importance of the use of living organisms, a particular plant and animal will be studied. Other visual aids such as preserved specimens, diagrams, charts, models, photographs, lantern slides, films, microprojector, etc. will be demonstrated and their use discussed.

The course will stress laboratory practice in each subject.

SEMINAR IN SCIENCE

For Type A Candidates in Science and, in part, Mathematics and Physics

45. Manipulation: Practice with apparatus used in High School demonstrations; preparation of illustrative charts; the projection lantern; film projection; care of aquaria and vivaria; growth of plants for experiments

in vegetable physiology; collection and preservation of botanical and zoological material for Upper School work.

Equipment: Laboratory accommodation; arrangement of laboratories; lighting and ventilation; arrangement and structure of benches and other furniture; care and purchase of apparatus; chemicals and minerals, most suitable kinds, method of preparation and storage; reference works and periodicals in science for the High School library.

Methods of treating topics in physics, chemistry and biology of Grade XIII.

SEMINAR IN AGRICULTURE

For Type A Candidates in Agriculture[1]

46. The History of agricultural education in the United States and Canada and particularly in Ontario; developments prior to 1904; developments since 1904; the influence of Departmental regulations, the Ontario Agricultural College, Summer Courses and various organizations in the development of agricultural education; the present regulations of the Department of Education and their relation to the teaching of Agriculture in the elementary and secondary schools and normal schools; qualifications of teachers; relations of school boards and teachers; provisions for inspection and reports; elective courses, and vocational agricultural courses in secondary schools.

Equipment and methods; special equipment needed for agricultural topics; arrangement of laboratory and classroom; storage and care of apparatus; preparation of illustrative material and charts; the projection lantern; the moving picture machine; agricultural periodicals, reference books and other sources of information; the school garden, planning and care; beautification of school grounds; home projects and collections; planning of courses; types of lessons; use of illustrative material; correlation of the science subjects in courses in agriculture.

CLASSICS (LATIN AND GREEK)

47. The relation of method in teaching Latin or Greek to linguistic method in general; the effect of the object of teaching Latin or Greek upon the method in various departments, such as oral reading, grammar, translation, sight reading, and the literary or historical content; illustration of methods in typical lessons.

Pronunciation; oral reading, sight reading, and English translation as prescribed for the Lower and Middle Schools; general principles of word-structure and sentence-structure; word order; methods of teaching the parts of a lesson; topics of inflection and syntax as found in the Latin and Greek Books; special emphasis on difficult topics.

The course will stress oral practice in Latin.

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[1]Candidates for the High School Assistant's certificate, Type A, in Agriculture shall take also the Science of the course for the High School Assistant's certificate, Type B.

SEMINAR IN CLASSICS

For Type A Candidates in Classics, Latin and Greek, and, in part, Latin and French, and English and Latin

48. In the seminar in Classics, the topics treated will be those which are germane to the teaching of the Latin and Greek authors and prose prescribed for study in the Upper School during the current year. These will include:

A study of adequate translation of the works of Latin and Greek authors.

Appreciation of the art of Horace, Virgil, Catullus, and Homer.

The Philosophy of Horace.

The legacy of Greece and Rome.

The teaching of the following metres: Hexameter, Elegiac, Sapphic, Alcaic.

The different types of poetry represented in the prescribed authors and the debt of English writers to classical originals.

The teaching of Latin continuous prose composition.

The morphology and syntax of Attic Greek together with a general treatment of the principles of Greek accent.

FRENCH, GERMAN, SPANISH OR ITALIAN

49. Pronunciation: Study of sounds and their spelling; phonetic symbols; devices for teaching; intonation exercises; dictation; singing.

Course of Studies in Grades IX and X: Introductory lessons, including conversational work for beginners; reading for comprehension; vocabulary building; conversation based on reading; paraphrasing; dictation; functional grammar, stressing the verb and pronoun.

Course of Studies in Grades XI and XII: Methods of conducting reading; increased emphasis placed on writing; grammar; translation from English into the foreign language; supplementary reading; testing.

Illustration of methods in typical lessons.

The course will stress oral practice in the foreign language.

SEMINAR IN MODERN LANGUAGES

For Type A Candidates in French and German *or* Spanish *or* Italian, and in part, Latin and French, English and French *or* German *or* Spanish.

50. In the seminar in Modern Languages, stress will be laid upon methods of presenting the work to be studied in Grade XIII during the current year.

Topics treated will include: Teaching of advanced grammar and prose composition; correction of written work; conducting of reading lessons; sight reading; supplementary reading; free composition; conversation; making of examinations; use of dictionaries and books of reference.

SEMINAR IN HOME ECONOMICS

(For Type A Candidates)

51. Introductory: The development of Home Economics, including a brief study of present day tendencies; its value and aims.

Methods: A study of courses for public, high and vocational schools; a discussion of various types of organization; methods of teaching; illustration of methods in typical lessons; a study of the methods of class-room procedure and problems arising therefrom; allotment of time for different phases of the subject; textbooks; note books; preparation, use and care of illustrative material; examinations.

Class Organization: Departmental regulations; size of class; records.

Equipment: Types of equipment; cost, arrangement and inventory of equipment.

PHYSICAL EDUCATION

52. This course is outlined in the Courses of Study for Grades IX-XIII issued by the Ontario Department of Education.

COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Theory, Methods and Materials (for men and women).

Practice (for men):

(*a*) Basic Drill.
(*b*) Gymnastics.
(*c*) Apparatus.
(*d*) Games.
(*e*) Swimming.

Practice (for women):

(*a*) Gymnastics.
(*b*) Games.
(*c*) Rhythmics.

SEMINAR IN PHYSICAL EDUCATION

For High School Assistants', Type A Candidates

53. (1) Organization and administration, including the following:
(*a*) aims, objectives and policies,
(*b*) selection and grading of teaching material,
(*c*) marking and testing,
(*d*) planning the curricular and extracurricular programmes.
(2) Methods and survey of material (Women):
(*a*) Physical Education—gymnastics, games, rhythmics, swimming,
(*b*) Health Education—anatomy, physiology, body mechanics, first aid, healthful living, child study.

(3) Methods and survey of material (Men):

(*a*) Physical Education—basic drill, gymnastics, apparatus, games, swimming,

(*b*) Health Education—anatomy and physiology, first aid, safety education, healthful living.

ART

54. COURSE FOR THE ELEMENTARY CERTIFICATE

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering, Theory and History of Art, Methods of Teaching Art.

SEMINAR IN ART

For High School Assistants', Type A Candidates

55. The seminar in Art will discuss classroom methods and problems relating to the advanced grades. Special emphasis will be given to (*a*) the securing, organizing and use of illustrative source material, such as slides, prints and exhibitions which can be used to interpret and intensify the study of art history and art criticism; (*b*) a more advanced study of the theory, history and practice of art.

VOCAL MUSIC

56. COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory prescribed for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Voice Training and Song Material:

The adolescent voice; choral singing; practice in tone production, intonation, diction, and breath control; blending of voices in part singing; interpretation; analysis of song material for Grades IX and X.

Conducting:

The conducting patterns of common metres; special problems: attack and release, incomplete bars, expression, use of the left hand.

Rudiments of Music:

Notation (notes, rests, clefs); intervals and their inversion; metre and rhythm; scales (diatonic and chromatic); transposition; musical terms, abbreviations and ornaments.

Music Appreciation:

Teaching of the topics prescribed for Grades IX and X; the human voice, musical instruments, elementary form, nationalism, music aesthetics;

study of selected compositions through recordings; organization of a course in music appreciation; choice and care of equipment.

Methods:

General principles of music education; analysis of the course for Grades IX and X; voice testing; teaching of rote songs, reading songs, part songs and theory; use of the piano; integration of music with other subjects; the relation of the school orchestra to the vocal programme; elementary scoring and transposition for instruments.

INSTRUMENTAL MUSIC

57. COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory prescribed for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Technical Training:

Fundamentals of tone production and basic fingering in all families of instruments; playing scales, diatonic and chromatic; simple melodies; reading orchestral scores of elementary range; construction and care of all types of instruments.

Conducting:

The conducting patterns of common metres; special problems of conducting in instrumental groups.

Methods:

General principles of organization and instruction of instrumental classes; special methods of class teaching for strings, band classes, or combined groups.

NOTE: This is a practical course, with the emphasis laid on two essential points, (i) individual mastery of instruments;
(ii) methods of class teaching.

SEMINAR IN VOCAL MUSIC

For High School Assistants', Type A Candidates

58. *Sight Singing and Ear Training:*

Sight reading of songs based on the theory prescribed for Grade XIII; extraneous modulation; singing of major scales from any note in the scale to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords listed below for harmony; detection of errors in the performance of more advanced part songs.

Voice Training and Song Material:

Advanced study of topics listed in the Elementary Type A Course through choral works; unaccompanied singing; modern theories of voice training; the teaching of special classes in voice training; selection of song, choral and operatic material for Grade XIII classes, public performances and festivals.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Operetta:

The detailed study and preparation of an operetta for public performance.

Music Appreciation:

Teaching of the topics prescribed for Grade XIII; advanced form, music biography and history, the analysis of selected compositions with special attention to the prescribed works for Grade XIII; use of miniature scores; supplemental reading; evaluation of recordings for school use; use of radio in music appreciation.

Methods:

Modern theories of music education; musical talent and its measurement; the specially gifted pupil; the relation of Secondary School music to music in the Elementary School and to the work of the private teacher; administration; music festivals and adjudication; practice in individual tutorial work; the piano accompaniment of school singing; analysis of the prescribed course for Grade XIII.

SEMINAR IN INSTRUMENTAL MUSIC

For High School Assistants', Type A Candidates

59. *Sight Singing and Ear Training:*

Sight reading of songs based on the theory prescribed for Grade XIII; extraneous modulation; singing of major scales from any note in the scale to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords for harmony; detection of errors in the performance of more advanced part songs.

The Orchestra and Band:

Orchestral playing, organization and conducting; selection of music for Grades IX to XIII class study, for orchestras and bands of High School calibre, and for public performance and festivals.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Arranging:

Transcription and arranging of selections from piano score for full orchestra or band; transposition for all instruments.

Methods:

Advanced study of topics listed in the Elementary Type A course.

Class instruction of instrumental classes, beginners and advanced classes, with all types of instruments.

60. COURSE FOR THE ELEMENTARY COMMERCIAL CERTIFICATE

(1) Shorthand Theory:

The principles of the Isaac Pitman system; writing continuous matter in approved shorthand forms; transcribing sight passages in continuous shorthand.

(2) Shorthand Practice and Transcription:

Writing from dictation for ten minutes, in approved Pitman Shorthand, easy material at the rate of sixty words per minute; transcribing of these notes on a typewriter with blanked keyboard; ten minutes to be allowed for revision of notes, and forty minutes for transcription.

(3) Typewriting:

(*a*) Typing for ten minutes on a typewriter with blanked keyboard at a net rate of thirty words per minute with 1% error or less. (The basis for estimating the number of words shall be five strokes per word.)

(*b*) Application of typewriting to simple problems in setting up business letters, headings, programmes, invitations, announcements, display work, tabular work.

(4) Bookkeeping:

The study of the various aspects of the fundamental equation, including journalizing, posting and the setting up of the financial statements in trading and non-trading organizations.

(5) Penmanship:

Posture, penholding, position of the paper, movement, development of speed, classification of small and capital letters according to similarity of basic principles. Graceful, legible business writing; ledger headings; figures; accounts; marking alphabet; writing on the blackboard.

(6) Methods—Minor:

(*a*) Methods of teaching Business Practice and Bookkeeping: instructional material; testing programme; presenting special topics; text-books; outlining courses; grading papers.

(*b*) Methods of teaching junior Shorthand and Typewriting.

(i) First year in Shorthand: organization of classes and materials; content of course; analysis of text-book; division of time for various sections of the work; various methods of approach; shorthand penmanship; reading of shorthand; how and when to test; the place of theory in junior classes; how and when to introduce transcription.

(ii) First two years in Typewriting: typing room, equipment and supplies; class organization; teacher's preparation; application of general principles to the teaching of typing technique; analysis and prevention of errors; speed development; tests and how to mark them; the second year course; written reports on actual lessons.

61. COURSE FOR THE ELEMENTARY INDUSTRIAL ARTS CERTIFICATE, TYPE A

This course may not be completed in the regular College session but requires a subsequent Summer session before the candidates will be recommended for the certificate.

Draughting: Orthographic projection problems; isometric drawing of rectangular, circular and cylindrical figures; sketching oblique views, geometric drawing; tracing and blue printing.

Woodworking: Nature, structure and characteristics of common woods; the selection and suitability of woods for various purposes; seasoning, defects and grading lumber; cutting out operations, planing, squaring, chiselling and paring; uses of various fastening materials; construction of common joints; various methods of wood finishing and care of brushes; use and care of band saw, variety saw, jig saw and jointer; the wood turning lathe, with elementary turning of single spindle and face plate work; sharpening and care of woodworking tools.

Sheet Metal Work: Laying out patterns, cutting, bending, soldering and rivetting of tin plate and galvanized iron; etching, hammering, planishing and polishing of brass and copper.

Machine Shop Practice: Hand tools and bench work; layout work and elementary machine operations.

Methods of instruction and class organization of the General Shop.

62. COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

An analysis of the Course of Study, Grades IX and X, Home Economics of the General and Commercial Courses.

Fundamental principles, practices, and standards in home and family living.

Problems of organization; methods of teaching; aids to learning; home and classroom equipment. Departmental regulations. Guidance in classroom teaching.

63. DICTION AND VOICE PRODUCTION

General lectures on diction and voice production.
Corrective work and exercises.

ONE-YEAR COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

CONDITIONS OF ADMISSION

64. (1) A candidate for admission to the course for the Interim Intermediate certificate in Home Economics should make application, not later than August 31st, on a form to be obtained from the Secretary of the Ontario College of Education and should submit with this application:

(*a*) A certificate from a competent authority that she is a British subject.

(*b*) A certificate from a clergyman or other competent authority that she is of good moral character.

(*c*) A certificate of successful vaccination. Every candidate for admission must submit a certificate of successful vaccination with her application.

(*d*) A statement signed by herself to the effect that she intends, when opportunity offers, to teach the subject of Home Economics.

(*e*) One of the following:

A Permanent Second Class certificate obtained under the regulations in force subsequent to September, 1927; an Interim or Permanent First Class certificate; a High School Assistant's certificate; an Ordinary Vocational or a Specialist Vocational certificate.

(2) Candidates who fulfil the foregoing conditions of admission and who hold Elementary Certificates in Home Economics, Type A, B, or C will be exempted from attendance during the Autumn term.[1]

COURSE OF STUDY

65. The Course of Study for the Intermediate certificate in Home Economics includes the following, with specific reference to the course in Home Economics prescribed for Grades VII, VIII, IX, and X:

PART I

FOODS

Economics.—Marketing; points to be considered in selection; factors determining cost; saving of materials, fuel, and labour in preparation; care in the home; utilization of left-overs.

Nutrition.—Composition and nutritive value of foods; requirements to maintain the body in health; digestion of foods, factors influencing the diet, menu planning; diets for infants, children and adults.

[1]Application for admission to the College at the beginning of the second term in January should be made not later than December 1st. Enrolment in January may be limited according to the available accommodation.

Preparation.—Scientific principles underlying methods of preparation; application of these principles in food and meal preparation and service (family meals, meals for children, and meals for the aged and sick in the home).

CLOTHING

Selection.—Source and properties of the principal textile fibres; study of textile fabrics; principles of design; aesthetic and economic factors determining selection for the individual.

Construction.—Cotton, linen or woollen garments: choice and preparation of material, commercial patterns, use and care of the sewing machine, construction processes.

Care.—Daily, weekly, and seasonal; repairing; removal of stains, laundering.

HOME MANAGEMENT

The Home.—Standards of living in relation to home life; relation of the home to the community.

The House.—Planning, furnishing; renovation; care; problems and procedures in the management of the modern home; household budgets; use and care of household equipment, appliances and fabrics.

Sanitation.—Effect of environment on health; sanitary control of surroundings; disposal of waste.

Home Nursing and Child Care.—Care of the infant, child and adult; emergencies; bandaging.

METHODS

Objectives in teaching Home Economics; types of equipment; study of authorized courses; problems of organization; methods of teaching; demonstration of lessons; teaching aids.

PART II

Observation and Practice-teaching will be provided in selected Public and High Schools and will include a minimum of six practice lessons per student with an equal number of periods for observation lessons.

EXAMINATIONS

66. (1) Candidates for the Intermediate certificate shall pass in each of Parts I and II under the following conditions:

(*a*) Part I.

The following shall be the subjects in Part I with the maximum value of 100 for each subject:

Foods
Clothing
Home Management
Methods

The standing of candidates in the subjects of Part I will be determined by the sessional records and the final written examinations.

The sessional records, to which shall be allotted one-half the maximum value assigned above to each subject, shall consist of the daily credits and of the results of oral, written, and practical tests.

The final written examinations, to which shall be allotted the remaining half of the maximum value assigned above to each subject, shall include the following papers:

Foods
Clothing
Home Management
Methods

The pass standard in Part I shall be 60% of the marks assigned to each subject.

(*b*) Part II.

The standing of candidates in Part II shall be determined wholly by the sessional records. For this purpose the maximum value assigned to practice lessons shall be 300, and to observation lessons, 100.

The pass standard in Part II shall be 60% of the aggregate of the marks for the practice lessons and for the observation lessons respectively.

(2) (*a*) Candidates who pass in Part II and fail in not more than one subject of Part I will be exempted from further attendance.

(*b*) All other candidates who fail to obtain the necessary final standing will be required to attend another session, beginning after the Christmas vacation.

(3) (*a*) Candidates who are exempt from attendance under (2) (*a*) above may complete their standing for a certificate by taking at an annual examination, the examination, written or practical, in the subject in which they failed.

(*b*) The pass standard for candidates not in attendance will be the same as that for candidates in attendance, but no allowance will be made for sessional work in the case of those not in attendance.

CERTIFICATES

67. A candidate who takes the subjects and passes the examinations therein prescribed above shall be entitled to an Interim Intermediate Home Economics certificate which shall be valid in these subjects in any Public, Separate, High or Continuation School and in Grades IX and X of a Collegiate Institute, provided that the teacher is otherwise qualified to teach in such schools.

This Interim certificate shall be valid for two years. The conditions under which the Interim Home Economics certificate may be made Permanent are contained in the regulations of the Department of Education.

68. COURSES FOR CERTIFICATES IN VOCATIONAL EDUCATION AND INDUSTRIAL ARTS

The Ontario Training College for Technical Teachers, which was established in Hamilton in 1925, has been re-organized as a department of the Ontario College of Education, Toronto, as of September 1, 1946.

I. Courses for the Ordinary Vocational certificate.

II. Courses for Industrial Arts certificates:

1. The Intermediate certificate.
2. The Specialist certificate.

GENERAL CONDITIONS OF ADMISSION

(1) An applicant for admission to the courses referred to above shall make application, not later than August 31st, to the Director of Vocational Training, 371 Bloor Street West, Toronto 5, on a form to be obtained from him, and shall submit with this application, on forms also to be supplied by the Director:

(a) A certificate from the Deputy Registrar-General of Births, Parliament Buildings, Toronto, or an affidavit by one of the parents or other relative, or other person cognizant of the applicant's date of birth.

Age limits:

For the Ordinary Vocational course, male applicants shall be not less than twenty-three and not more than thirty-five years of age; female applicants shall be not less than twenty-three and not more than thirty-two years of age.

For the Intermediate Industrial Arts course, applicants shall be at least twenty years of age.

For the Specialist Industrial Arts course, applicants shall be not less than twenty-three and not more than thirty-five years of age.

(b) A certificate from a competent authority that he is a British subject.

(c) A certificate from a clergyman or other competent authority that he is of good moral character.

(d) A certificate of successful vaccination.

(2) Before the final admission, and provided that the applicant is not already the holder of a Teacher's certificate, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 22nd, and shall hold themselves in readiness to appear for subsequent further examination as required. Students are required to be in continuous attendance at the College during the period of the medical examination, September 22nd to 26th.

(3) In the event of rejection of an applicant in consequence of the medical examination and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

69. I. COURSE FOR THE ORDINARY VOCATIONAL CERTIFICATE

ADDITIONAL REQUIREMENTS FOR ADMISSION

(1) Education.

Applicants are required to give evidence of secondary school graduation or the equivalent. Otherwise, candidates may be required to write examinations in English, Mathematics and Science, these examinations to be held at the College on the first day of the session.

(2) Trade Training and Experience.

(a) The training or apprenticeship required shall be that usually demanded for journeyman's qualifications in the trade concerned. Special training obtained in an approved day vocational school will be taken into account in considering the period of training. Applicants should submit statements from the persons or firms under whom they were trained, showing the length of the training period and the nature of the work.

(b) The experience required shall be several years of wage-earning journeyman trade experience with approved high-grade firms, and shall be such as to show that the applicant is a skilled craftsman, competent in the main branches of the trade, and familiar with its recent developments. The length of the journeyman experience depends upon the nature of the trade. Documentary evidence of experience in the trade in approved shops shall be furnished by the applicant.

(c) The applicant shall be required to pass an examination designed to test his attainments as a skilled worker in the trade concerned. The examination shall be on the fundamental principles, operations, processes, and skills of the trade, and shall be in two parts (1) written, (2) practical. In the practical examination he shall be required to show his skill in a performance test. This examination will be given by the Ontario College of Education during the first week of the session at places to be arranged.

70. PROGRAMME OF STUDIES

The course of training for the Interim Ordinary Vocational certificate consists of two parts:

Part I: Educational Psychology
School Law and Regulations

English
History of Vocational Education
Principles of Teaching and Classroom Management
Technical Subjects: 1. trade analysis,
2. shop plan,
3. equipment list,
4. yearly budget,
5. course of study.
Part II: Observation and Practice-teaching.

71. ORGANIZATION OF COURSE

(1) Each candidate must prove by taking a Trade Test during the first week of the Session that he is a skilled craftsman in the practical subject he desires to teach.

(2) In general, the course is built upon the experiences of the student-teachers in the practice schools. Observation is stressed during the early part of the session. Individual and group instruction will be increased until, in the final two weeks, the student-teacher will take charge of the class with no assistance from the teacher.

(3) During alternate weeks in the College, in addition to the programme of studies, the student-teacher is given an assignment to cover his duties in the practice school for the following week. A corresponding bulletin is mailed to the teacher, who reports on the progress of the student at the completion of each week of Practice-teaching.

(4) Where possible, student-teachers are sent at first to vocational departments in the smaller composite schools and later to technical schools in the larger centres. The Director and his staff visit the practice schools from time to time to assist in evaluating the students' work.

72. DETAILS OF SUBJECTS

The details of the subjects of the course for the Ordinary Vocational certificate are set out below.

EDUCATIONAL PSYCHOLOGY

(a) Psychology
(i) intelligence, tests and measurements;
(ii) learning, nature and laws; memory, fatigue, transfer, etc.
(iii) mental hygiene of the pupil and the teacher,
(iv) psychology of adolescence; school discipline.
(b) Guidance and Counselling.

SCHOOL LAW AND REGULATIONS

The Vocational Education Act, Regulations for Vocational Schools, the Apprenticeship Act, the Trade Schools Regulation Act; other legislation and regulations of direct concern to vocational schools.

ENGLISH

English—both oral and written—a brief review of the main essentials of grammar and composition to enable the shop teacher to avoid the more common errors in the use of words.

HISTORY OF VOCATIONAL EDUCATION

Brief historical sketch to show vocational aspects of educational developments; contributions of the educational reformers, Comenius, Locke, Rousseau, Pestalozzi, Fellenberg, Herbart, Froebel, Spencer; relation of industrial developments to the need for industrial education; development of secondary education, of vocational education; the manual training movement, the mechanics' institute, the farm and trade school, industrial and technical schools, trade schools; part-time, co-operative and apprenticeship classes; the Ontario educational system.

PRINCIPLES OF TEACHING AND CLASSROOM MANAGEMENT

Learning process as applied to practical subjects; formal lesson types; individual differences; individual and group instruction; lesson planning; instruction aid material—sheets, pictures, charts, films, models; organization of instruction material; tests and examinations; records; special shop problems.

TECHNICAL SUBJECTS

(a) Trade Analysis and Course of Study:

Study of the work of the skilled craftsman to determine the teachable content of each trade or calling. Analysis of the trade to determine the skill, and the trade, technical and concomitant knowledges of the skilled worker; selection of instructional materials and arrangement into groups according to learning difficulties; selection of projects to be used to fit the order of the course of study; determination of related mathematics, science, drawing and auxiliary information needed in each project, preparation of course of study; unit courses.

(*b*) Shops Plan, Equipment List, and Annual Budget:

Study of desirable features of shops and classrooms, size, shape, lighting, lay-out; preparation of minimum, and desirable, lists of equipment for the type of shop in which the teacher-in-training will work; design of benches, tables, furniture, selection of tools and machines; approximate prices; preparation of annual budget.

73. II. COURSES FOR INDUSTRIAL ARTS CERTIFICATES[1]

1. COURSE FOR THE INTERMEDIATE CERTIFICATE

This is a two-year course to provide training for those who contemplate the teaching of Industrial Arts in Public, Separate, Continuation and High

[1]The Dean reserves the right to limit the total enrolment of Intermediate and Specialist candidates to twenty-five.

Schools. Applicants admitted under condition B below shall be exempted from attendance during one year of the course.

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit:

A. Evidence of graduation from an approved regular four-year industrial course in a vocational school, which includes machine shop practice, woodworking, drafting, electricity, and auto mechanics; and evidence of at least one year of approved industrial wage-earning experience;

OR

B. Evidence of a Second Class of more advanced Ontario teaching certificate, and *either* an Elementary Manual Training certificate *or* a statement indicating successful completion of the work of Part I of the Elementary Industrial Arts course. Applicants who hold the Elementary Industrial Arts certificate, Type A shall be exempted from attendance during the autumn term but shall make application for admission not later than December 1.

74. PROGRAMME OF STUDIES

The course of training for the Intermediate certificate in Industrial Arts consists of two parts as follows:

Part I: Activity Analysis and Course of Study
Shop Work
History of Industrial Arts Education
Guidance

Part II: Observation and Practice-teaching.

Each student is given at least three weeks in a practice school. His teaching progresses from individual and group instruction to complete charge of routine duties and class instruction. If possible, he is sent to the general shop in (a) a public school, (b) a continuation or high school, and (c) a collegiate institute.

Note: For the Programme of Studies for those who must attend two years, see the Programme of Studies of the course for the Ordinary Vocational Certificate in Section 70.

75. DETAILS OF SUBJECTS

ACTIVITY ANALYSIS AND COURSE OF STUDY

See Technical Subjects in Section 70.

SHOP WORK

The present set-up consists of (a) Metal work, (b) Woodwork and Crafts. Each shop is organized on the general shop plan. At least four activities

are being conducted in each shop. Metal work includes such activities as forge and vise work, sheet metal, welding, machine shop, farm machinery repair and overhaul. Woodwork and Crafts include drafting, woodwork (both hand and machine processes), building construction, practical electricity, furniture finishing, leather work, art metal work, and plastics.

HISTORY OF INDUSTRIAL ARTS

See History of Vocational Education in Section 70.

GUIDANCE

A course of lectures in educational and vocational guidance.

76. 2. COURSE FOR THE SPECIALIST CERTIFICATE[1]

This course is to provide training for those who contemplate teaching Industrial Arts in collegiate institutes.

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit a Permanent[2] Intermediate Industrial Arts certificate.

77. PROGRAMME OF STUDIES

The course of training for the Specialist certificate in Industrial Arts consists of two parts as follows:

Part I. Activity Analysis, Course of Study and Shop Management
Advanced Shop Work

Part II. Observation and Practice-teaching.

78. EXAMINATIONS AND CERTIFICATES

(1) The final standing of students in attendance in the course for the Ordinary Vocational Certificate or the courses for the Intermediate and Specialist Certificates in Industrial Arts shall be determined by the combined results of the sessional records and the records of the final examinations of Part I and by the results of the records of the Observation and Practice-teaching of Part II, of the course concerned.

(2) The sessional records in each course represent oral and written exercises, practical work, research and frequent tests; and at the close of each term there will be a set of examinations.

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[1]This certificate may be obtained also in summer courses conducted by the Department of Education.

[2]Service personnel may be admitted on an Interim Intermediate Industrial Arts certificate.

(3) A candidate shall pass in each of the subjects listed in the Programme of Studies of the course concerned. The pass standard shall be 50% of the marks assigned to each subject of Part I and 60% of the aggregate of the marks assigned to each of the divisions of Part II. A candidate for the Intermediate Industrial Arts certificate or the Specialist Industrial Arts certificate must pass a performance test before a certificate is issued.[1]

(4) (a) A candidate for the Ordinary Vocational certificate who passes in Part II and fails in not more than one subject of Part I shall be exempted from further attendance.

(b) A candidate for the Intermediate certificate in Industrial Arts who passes in Part II and fails in not more than two sections of Shop Work *or* one other subject of Part I shall be exempted from further attendance.

(c) A candidate for the Specialist certificate in Industrial Arts who passes in Part II and fails in not more than two sections of Advanced Shop Work of Part I shall be exempted from further attendance.

(d) All other candidates who fail to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

(e) A candidate exempted from attendance, as provided in Section 75 (4) (a), (b) or (c), may complete his standing for a certificate by re-writing at an annual examination the examination in the subject in which he failed. Examinations will be held at the close of the session at such centres and under such conditions as are set out in Section 16 (3) (b).

79. GRADES OF CERTIFICATES

(1) An Interim Ordinary Vocational certificate which qualifies the holder to teach a shop subject for two years in a vocational school.

(2) A Permanent Ordinary Vocational certificate.

(3) A Specialist Vocational certificate which qualifies the holder to act as Shop Director in a vocational school.

(4) An Interim Intermediate certificate in Industrial Arts which qualifies the holder to teach shop work for two years in a public, separate, continuation or high school.

(5) A Permanent Intermediate certificate in Industrial Arts.

(6) A Specialist certificate in Industrial Arts which qualifies the holder to teach shopwork in a collegiate institute.

(7) A Vocational School Principal's certificate. For the requirements for this certificate, consult the regulations of the Department of Education.

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[1]A candidate for the Ordinary Vocational certificate must obtain a minimum of 50% in the Trade test taken during the first week of the session (see Section 71).

COURSES FOR DEGREES IN PEDAGOGY[1]

Courses leading to the Bachelor of Pedagogy degree are open only to those who enrolled in Pedagogy course prior to 1952. Degrees in Pedagogy will not be conferred after June, 1955. Those beginning graduate work in Education in July, 1952 or later will be enrolled in courses leading to the new Education degrees[2].

DEGREE OF BACHELOR OF PEDAGOGY (B.PAED.)

80. The degree of Bachelor of Pedagogy (B.Paed.) will be awarded under the following conditions:

(1) The candidate shall hold an approved degree in Arts, Education, Science, Agriculture, Engineering, or Commerce and a certificate as teacher valid in one of the Provinces of Canada and issued after a regular course in an approved training school or the equivalent of such certificate and course of training.

(2) The candidate shall be in attendance at the Ontario College of Education during two regular College Sessions or three Summer Sessions.

(3) The course shall consist of six units including units 1 and 2 and any four others of units 3 - 16 as follows:

1. *The Development of Modern Educational Systems*
   The movement towards state responsibility for the education of all, and the extension of state-controlled systems of education, particularly in Great Britain, the United States and Canada during the past two centuries.
2. *The Development of Modern Educational Thought and Practice*
   The thinking of outstanding educators and changing concepts of society which influenced classroom practice in England, the United States and Canada during the past two centuries.
3. *Educational Psychology*
   An introductory course in general educational psychology.
4. *School Law and Administration of Education in Ontario.*
5. *Supervision*
   Functions and duties of supervisors and principals as related to the administration of the elementary and secondary school and improvement of instruction; specific administrative and supervisory techniques.

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[1]See Section 7 (4) for information regarding a Fellowship in Education.
[2]See Section 82.

6. *Principles and Practices in School Administration*

The administration of education in England, the United States, Canada, Australia, New Zealand and South Africa. Relevant information regarding other countries may be included.

The course will include a consideration of such topics as centralization *vs.* decentralization, school legislation, division of duties between central and local authorities, educational finance, supervision, etc. Comparisons between systems in different countries will be stressed throughout the course.

7. *Measurement in Education*

An evaluation of various types of objective and essay-type examinations. The preparation and use of new-type tests. Standardized tests. The measurement of general and specific aptitudes, personality traits, and school achievement. Interpretation of test results.

8. *Educational and Vocational Guidance*

Basic principles and current practices in educational and vocational guidance, with a discussion of diagnosis, counselling, and the place of group work, in a student personnel programme.

9. *Instructional Techniques and Practices*

The development of theories of learning from Pestalozzi to modern times, and the influence of these theories on curricula and methods. A study of such general methods as the Dalton Laboratory Plan and the Enterprise Method, as well as an evaluation of various methods of teaching the subjects of the elementary and the secondary school curriculum.

10. *Educational Statistics and Experimental Methods*

An introductory course in elementary statistics. Design of experiments, including the logic of generalizing from a sample to the population and methods of planning investigations.

11. *Modern Philosophies of Education*

Critical survey of modern philosophies and the conflict of essentialist and progressivist schools of thought.

The nature of society and the aims of education in different types of society—especially in a democracy.

Various educational agencies; the peculiar place of the school; an evaluation of the school and a noting of new ventures designed to take care of the inadequacies of the school.

12. *Intelligence and its Measurement*

    The nature, growth and distribution of intelligence. The preparation, administration and interpretation of group and individual mental tests.

13. *Mental Health and Child Study*

    The factors involved in child development (pre-school period, early school years, intermediate years, adolescence) and the difficulties and problems of each period. The preventive and remedial phases of mental health.

14. *Diagnosis and Remedial Instruction*

    Study of pupil difficulties and techniques of preventive and remedial teaching, with special emphasis on practices suitable for typical classrooms; use of diagnostic tests, observations and examinations and interpretation of the results.

15. *Adult Education*

    History and organization of adult education in Canada; a survey of current philosophies of education in the adult field; psychology of learning for adults; problems of administration and presentation of adult education, and allied topics.

16. *Curriculum*

    Principles, problems, experiments, trends in curriculum development in elementary and secondary schools. Factors involved in leadership in curriculum development and the improvement of instruction. Analysis of curriculum programme in relation to modern concepts of curriculum.

Not more than four of these units shall be taken during a regular College Session and not more than two during a Summer Session. Courses for full-time students only will be offered in the regular Session. Not all units will be given in any one Session. Certain of the units will be offered only in alternate Sessions.

The candidate who has attended at least one summer session and who holds (*a*) an Ontario Vocational School Principal's Certificate, or (*b*) an Ontario Specialist or Intermediate Guidance Certificate, or who has completed attendance in any subject of the former Pedagogy courses, may be exempted from attendance in two units but shall take the written examination in these units.

For two of the above units the candidate, with the special previous consent of the Committee in charge of the courses, may substitute an approved course in another department of the University, of a standard not lower than that of a minor in a course leading to the degree of Doctor of Philosophy.

(4) The examinations, one paper per unit, shall be held in April and May at the University of Toronto or in other localities in the Province approved by the Senate and under a presiding examiner appointed by the Senate, provided the candidate thereat defray the cost of the local examination. The candidate shall send notice not later than the 15th day of March of his intention to take the examinations and of the locality in which he wishes to write such examinations.

(5) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, regular College Session, including examination and library fees	125.00
Examination, per unit	3.00
Degree	10.00

All fees shall be paid to the University of Toronto with the application for registration or examination, as the case may be.

(6) The standard for a Pass degree shall be 60 per cent. of the marks assigned to each unit. The candidate who obtains 60 per cent. of the marks of each unit and 75 per cent. of the aggregate of marks shall be awarded a degree with Honours. On the report of the instructors concerned a maximum of 40 per cent. of the marks in any unit may be assigned to the term work of the candidate.

(7) The candidate who has completed one or more subjects not later than May, 1946, will be given credit for two units per subject, these units to be approved by the examiners in the subjects concerned.

DEGREE OF DOCTOR OF PEDAGOGY (D.PAED.)

81. The degree of Doctor of Pedagogy (D.Paed.) will be awarded until June, 1955, by the School of Graduate Studies under the following conditions:

(1) The candidate who completed not later than May, 1936, the course for the degree of Bachelor of Pedagogy is eligible for admission to the course for the degree of Doctor of Pedagogy. If the candidate for admission to the course for the degree of Doctor of Pedagogy has completed the course for the degree of Bachelor of Pedagogy in 1937 or later, he must pass a qualifying examination, to be held annually in February.[1] Details of this examination may be obtained on application to the Secretary of the Ontario College of Education.

(2) The candidate, after admission to the course, shall be in attendance at the Ontario College of Education during one regular College Session or one Summer Session.

[1]Under special circumstances and at the discretion of the Pedagogy Committee, other arrangements regarding the qualifying examination may be made for a student in full-time attendance who has credit for at least four units.

(3) The course shall consist of two units as defined herein and a thesis as defined in (5) below.

A candidate admitted to the course for the degree of Doctor of Pedagogy shall take from the eighteen units listed in Sections 78 (3) and 79 (3) any two units not included in his course for the B. Paed. degree.

17. *Advanced Statistics and Measurement*

A study of recent developments in statistics and measurement, with emphasis on the mathematical assumptions and derivations underlying the theory; will include multiple regression, analysis of variance and covariance, sampling theory, and applications of statistical methods to the development of measuring instruments.

18. *Research in Education*

Nature of scientific thinking. Finding and defining the research problem. Advantages, disadvantages, limitations and theoretical aspects of various methods of doing research in education. Location, evaluation, analysis and presentation of data. The research report.

(4) The examinations shall be held at such times and under such conditions as to date of application, place of examination, percentages, term work, etc., as obtain with the Bachelor's degree.

(5) The candidate, after passing the prescribed examinations, shall also submit *on or before February 1st* a thesis on an educational topic. Before the research is begun, approval of the topic and of an outline of the proposed research must be secured from the Pedagogy Committee. The thesis must show scholarly treatment and literary excellence. After the examiners have reported in favour of the candidate's examinations and before the D. Paed. degree is conferred, the candidate shall furnish the Secretary of the School of Graduate Studies with three copies of the thesis, and shall make arrangements to publish the thesis or an approved abstract thereof. If the candidate publishes only an abstract of his thesis, he shall furnish the Secretary of the School of Graduate Studies with twenty-five copies of the abstract.

(6) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, Regular College Session, including examination and library fees	125.00
Examination, per unit	3.00
Examination of thesis	10.00
Degree	25.00

All fees shall be paid to the University of Toronto with the application for registration or examination as the case may be.

COURSES FOR DEGREES IN EDUCATION

The Ontario College of Education offers courses of instruction for degrees in Education during the regular college session and during the summer session.

82. DEGREE OF BACHELOR OF EDUCATION (B.ED.)

The degree of Bachelor of Education will be awarded under the following conditions:

(1) The candidate shall (*a*) hold an approved degree in Arts, Education, Science, Agriculture, Engineering, or Commerce, (*b*) hold a certificate as teacher valid in Ontario issued after a regular course in an approved training school, or a certificate valid in another province of Canada deemed the equivalent of the Ontario High School Assistant's certificate or Permanent First Class certificate, (*c*) have completed one year's successful teaching experience subsequent to having obtained a teaching certificate.

(2) The candidate shall be in attendance at the Ontario College of Education during one summer session.

(3) The course shall consist of the following two units:

1. *The Development of Modern Educational Systems.*
   The movement towards state responsibility for the education of all, and the extension of state-controlled systems of education, particularly in Great Britain, the United States and Canada during the past two centuries.
2. *The Development of Modern Educational Thought and Practice.*
   The thinking of outstanding educators and changing concepts of society which influenced classroom practice in England, the United States and Canada during the past two centuries.

(4) The examination, one paper per unit, shall be held in April and May at the University of Toronto or in other localities in the Province approved by the Senate and under a presiding examiner appointed by the Senate, provided the candidate thereat defray the cost of the local examination. The candidate shall send notice not later than the 15th day of March of his intention to take the examinations and of the locality in which he wishes to write such examinations.

(5) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Examination, per unit	3.00
Degree	10.00

All fees shall be paid to the University of Toronto with the application for registration or examination, as the case may be.

(6) The standard for a pass shall be 60 per cent. of the marks assigned to each unit but until June, 1955 the passing standard as defined for the degree of Bachelor of Pedagogy will apply.[1] The candidate who obtains 60 per cent. of the marks of each unit and 75 per cent. of the aggregate marks shall be awarded a degree with Honours. On the report of the instructors concerned a maximum of 25 per cent. of the marks in any unit may be assigned to the term work of the candidate.

[1]See Section 80, paragraph 6.

83. DEGREE OF MASTER OF EDUCATION (M.ED.)[1]

The degree of Master of Education (M.Ed.) will be awarded by the School of Graduate Studies under the following conditions:

(1) The candidate shall hold the degree of Bachelor of Education from the University of Toronto, or the equivalent.

(2) The candidate shall be in attendance at the Ontario College of Education during one regular session and one summer session *or* during three summer sessions.

(3) The course shall consist of six of the following units:

3. *Educational Psychology*
   An introductory course in general educational psychology.
4. *School Law and Administration of Education in Ontario.*
5. *Supervision*
   Functions and duties of supervisors and principals as related to the administration of the elementary and secondary school and improvement of instruction; specific administrative and supervisory techniques.
6. *Principles and Practices in School Administration*
   The administration of education in England, the United States, Canada, Australia, New Zealand and South Africa. Relevant information regarding other countries may be included.
   The course will include a consideration of such topics as centralization *vs.* decentralization, school legislation, division of duties between central and local authorities, educational finance, supervision, etc. Comparisons between systems in different countries will be stressed throughout the course.
7. *Measurement in Education.*
   An evaluation of various types of objective and essay-type examinations. The preparation and use of new-type tests. Standardized tests. The measurement of general and specific aptitudes, personality traits, and school achievement. Interpretation of test results.
8. *Educational and Vocational Guidance.*
   Basic principles and current practices in educational and vocational guidance, with a discussion of diagnosis, counselling, and the place of group work, in a student personnel programme.
9. *Instructional Techniques and Practices.*
   The development of theories of learning from Pestalozzi to modern times, and the influence of these theories on curricula and methods. A study of such general methods as the Dalton Laboratory Plan and the Enterprise Method, as well as an

[1]See Section 7(4) for information regarding a Fellowship in Education.

evaluation of various methods of teaching the subjects of the elementary and the secondary school curriculum.

10. *Educational Statistics and Experimental Methods.*
An introductory course in elementary statistics. Design of experiments, including the logic of generalizing from a sample to the population and methods of planning investigations.

11. *Modern Philosophies of Education.*
Critical survey of modern philosophies and the conflict of essentialist and progressivist schools of thought.
The nature of society and the aims of education in different types of society—especially in a democracy.
Various educational agencies; the peculiar place of the school; an evaluation of the school and a noting of new ventures designed to take care of the inadequacies of the school.

12. *Intelligence and its Measurement*
The nature, growth and distribution of intelligence. The preparation, administration and interpretation of group and individual mental tests.

13. *Mental Health and Child Study.*
The factors involved in child development (pre-school period, early school years, intermediate years, adolescence) and the difficulties and problems of each period. The preventive and remedial phases of mental health.

14. *Diagnosis and Remedial Instruction*
Study of pupil difficulties and techniques of preventive and remedial teaching, with special emphasis on practices suitable for typical classrooms; use of diagnostic tests, observations and examinations and interpretation of the results.

15. *Adult Education.*
History and organization of adult education in Canada; a survey of current philosophies of education in the adult field; psychology of learning for adults; problems of administration and presentation of adult education, and allied topics.

16. *Curriculum.*
Principles, problems, experiments, trends in curriculum development in elementary and secondary schools. Factors involved in leadership in curriculum development and the improvement of instruction. Analysis of curriculum programme in relation to modern concepts of curriculum.

17. *Advanced Statistics and Measurement.*
A study of recent developments in statistics and measurement, with emphasis on the mathematical assumptions and derivations underlying the theory; will include multiple regression, analysis of variance and covariance, sampling theory, and

applications of statistical methods to the development of measuring instruments.

Not more than four of these units shall be taken during a regular College Session and not more than two during a Summer Session. Courses will be offered in the regular Session for full-time students only. Not all units will be given in any one Session. Certain of the units will be offered only in alternate Sessions.

Candidates who secure 75 per cent or more on at least two of the first four units elected in this course may apply for permission to substitute a thesis for attendance and examination in the last two units of the course. Such permission should be sought only by candidates who have confidence in their ability to conduct and report on educational research, and will be granted only to those whose standing on courses taken is high. Candidates who plan to enrol in courses leading to the degree of Doctor of Education are advised to elect the thesis option (see regulations for the degree of Doctor of Education below).

The candidate who has attended at least one Summer Session and who holds (*a*) an Ontario Vocational School Principal's Certificate, or (*b*) an Ontario Specialist or Intermediate Guidance Certificate may be exempted from attendance in two units but shall take the written examination in these units.

For two of the above units the candidate, with the special previous consent of the Committee in charge of the courses, may substitute an approved graduate course in another department of the University.

(4) The examinations, one paper per unit, shall be held in April and May at the University of Toronto or in other localities in the Province approved by the Senate and under a presiding examiner appointed by the Senate, provided the candidate thereat defray the cost of the local examination. The candidate shall send notice not later than the 15th day of March of his intention to take the examinations and of the locality in which he wishes to write such examinations.

(5) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, regular College Session, including examination and library fees	125.00
Examination per unit	3.00
Examination and examination of thesis	75.00
Degree	10.00

(6) The standard for a pass shall be 66 per cent of the marks assigned to each unit. On the report of the instructors concerned a maximum of 25 per cent of the marks in any unit may be assigned to the term work of the candidate.

(7) The candidate who completed one or more subjects of the course for the degree of Bachelor of Pedagogy not later than May, 1946, will be given credit for two units per subject, these units to be approved by the examiners in the subjects concerned. Credits for units taken under former pedagogy courses may be transferred to education courses when the candidate has completed six units.

84. DEGREE OF DOCTOR OF EDUCATION (ED.D.)

The degree of Doctor of Education (ED.D.) will be awarded by the School of Graduate Studies under the following conditions:

(1) The candidate shall hold the degree of Master of Education with high standing from the University of Toronto, or the equivalent. If requirements for the degree were fulfilled in part by a Master's thesis, the candidate may at the discretion of the committee-in-charge be admitted to courses for the doctorate without further examination. The degree of Bachelor of Pedagogy with high standing from the University of Toronto will be accepted as an equivalent if the degree was conferred not later than June, 1952; those who secure the B. Paed. degree at a later date must complete two more units or a thesis.

(2) Candidates except those exempted for the reason stated in (1), shall write a qualifying examination for admission to courses leading to the Doctor of Education. This examination will be held annually in February, and details regarding it may be obtained on application to the Secretary of the Ontario College of Education[1].

(3) Candidates shall be in attendance at the Ontario College of Education during one regular College Session or two Summer Sessions. Candidates may attend one Summer Session before trying the qualifying examination but will not be permitted to write the examinations on the units attended unless and until they have passed the qualifying examination.

(4) Students in full-time attendance during the regular academic Session may enrol in the four required units, but under no circumstances will they be allowed to write the examination on these units unless and until they have passed the qualifying examination.

(5) The course shall consist of four units and a doctoral dissertation.

A candidate admitted to the course for the degree of Doctor of Education shall take any two of the units 3 to 17 not included in his course for the M.Ed. degree. The candidate shall also take the following two units:

18. *Research in Education.*
Nature of scientific thinking. Finding and defining the research problem. Advantages, disadvantages, limitations and theo-

[1] At the discretion of the Committee, special arrangements regarding the qualifying examination may be made for students in full-time attendance.

retical aspects of various methods of doing research in education. Location, evaluation, analysis and presentation of data. The research report.

19. *Seminar in Education.*
Presentation by candidates for the doctorate of the problems they propose to investigate and defence of procedures they intend to use. Intensive study under the direction of the staff of problems subsidiary to the topic presented. The seminar gives summer school candidates an opportunity to begin their research under close supervision.

(6) The examinations shall be held at such times and under such conditions as to date of application, place of examination, percentages, term work, etc., as obtain with Master's degree.

(7) The candidate, after passing the prescribed examinations, shall submit a doctoral dissertation on an approved educational topic. Before the research is begun, approval of the topic and of an outline of the proposed research must be secured from the committee administering the degree of Doctor of Education. Under no circumstances will a dissertation be examined for credit unless the topic and the outline have received this initial approval. Candidates should secure a copy of a statement on "Requirements Applicable to Doctoral Dissertations" from the Supervisor of Graduate Students, Ontario College of Education, to whom all general correspondence regarding dissertations may be addressed. After a dissertation has been approved by the examiners, the candidate shall furnish the Secretary of the School of Graduate Studies with three bound copies and shall make arrangements to publish the dissertation or an approved abstract thereof. If the candidate publishes only an abstract of his dissertation, he shall furnish the Secretary of the School of Graduate Studies with 25 copies of the abstract.

(8) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, Regular College Session, including examination and library fees	125.00
Examination, per unit	3.00
Supervision and examination of dissertation	75.00
Degree	25.00

All fees shall be paid to the University of Toronto with the application for registration or examination as the case may be.

DEGREES OF DOCTOR OF PHILOSOPHY (PH.D.) AND MASTER OF ARTS (M.A.)

For information about the courses for these degrees, candidates should consult the calendar of the School of Graduate Studies.

The University of Toronto issues the following official calendars, any one of which may be had on application to the Registrar of the University or to the Secretary of the Faculty about which information is sought.

CALENDARS

Admission Requirements
Admission Scholarships and Bursaries
Faculty of Arts
Faculty of Medicine
  Physical and Occupational Therapy
Faculty of Applied Science and Engineering
Faculty of Household Science
Ontario College of Education
Library School
Faculty of Forestry
Royal Conservatory of Music
  Faculty of Music
  School of Music
School of Graduate Studies
Faculty of Dentistry
School of Law
School of Architecture
School of Physical and Health Education
School of Social Work
School of Nursing
School of Hygiene
Institute of Child Study
University Extension—
  Teachers' Classes, Summer Session,
  Certificate Course in Business (Evenings)

Enquiries about the following colleges affiliated with the University of Toronto, should be addressed directly to the college concerned:

Ontario Agricultural College, Guelph
Ontario Veterinary College, Guelph
Ontario College of Pharmacy, 46 Gerrard St. E., Toronto

Desk
Ontario College of Education
Library
University of Toronto

UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education

1954-1955

In view of increasing costs of supplies and labour, residence dues and other charges set forth in this calendar are subject to change by the Board of Governors.

UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education

1954-1955

THE UNIVERSITY OF TORONTO PRESS
1954

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CALENDAR, 1954-1955

1954—July 5.....Summer Session (Education and Pedagogy) opens.

Aug. 6.....Summer Session (Education and Pedagogy) closes.

Sept. 21–25...Medical Examination.

Sept. 21.....Academic year begins at 9. a.m.

Sept. 22.....Address by the President to the students of all faculties and schools at 3.45 p.m. in Convocation Hall.

Oct. 11.....Thanksgiving Day.

Nov. 11.....Remembrance Day Service at 10.45 a.m. Lectures and laboratory classes withdrawn from 10 a.m. to 12 noon.

Dec. 17.....Last day of lectures. Term ends at 5 p.m.

1955—Jan. 3.....Winter Term begins at 9 a.m.

Jan. 20.....Last day for receiving the second instalment of fees.

Apr. 8.....Good Friday.

Apr. 18.....Spring Term begins.

May 13.....Last day of lectures.

May 16-27...Final Examinations (except for candidates for Intermediate and Specialist Industrial Arts certificates).

May 24-27...Final Examinations for candidates for Intermediate and Specialist Industrial Arts certificates.

May 25, 26, 27 University Commencement.

ADMINISTRATIVE OFFICERS

The University

President . . . . Sidney Smith, Q.C., M.A., LL.B., LL.D., D.C.L., F.R.S.C.

Vice-President . . . . . C. T. Bissell, M.A., Ph.D.
Registrar . . . . . J. C. Evans, B.A.
Librarian . . . . . W. S. Wallace, M.A., LL.D., F.RB.C.
Warden of Hart House . . . . . J. McCulley, M.A.
Director of University Extension . . . . . J. R. Gilley, B.A.Sc.

Comptroller . . . . . A. G. Rankin, B.Com., C.A.
Bursar and Secretary to the Board of Governors . . C. E. Higginbottom, F.C.I.S.
Superintendent of Buildings and Grounds . . . . . A. D. LePan, B.A.Sc.
Chief Accountant . . . . . D. J. Reid

Director of University Health Service
G. E. Wodehouse, M.C., M.D., F.R.C.P.
Assistant Director of University Health Service—Women
Miss F. H. Stewart, B.A., M.D.
Director of Athletics and Physical Education—Men . . W. A. Stevens, B.S.
Director of Athletics and Physical Education—Women . . Miss Z. Slack, B.A.
Director of the University of Toronto Press . . . . . M. Jeanneret, B.A.
General Secretary-Treasurer of the Students' Administrative Council
E. A. Macdonald, B.A.
Associate Secretary of the Students' Administrative Council
Miss A. E. M. Parkes, B.A.
Director of Hart House Theatre . . . . . R. S. Gill, M.A.
Director of the Placement Service . . . . . J. K. Bradford, O.B.E., M.A.Sc.

Ontario College of Education

Dean . . . . . A. C. Lewis, M.A., D.Paed.
Director of the Department of Educational Research
J. A. Long, B.A., Ph.D.
Supervisor of Graduate Students . . . . . C. E. Phillips. M.A., D.Paed.
Director of the Vocational Guidance Centre . . . . . M. D. Parmenter, M.A.
Director of the Department of Vocational Training and Industrial Arts
R. D. Phillips, B.Sc.
Supervisor of Practice Teaching . . . . . [redacted].
Supervisor of Women Students . . . . . Miss Helen B. St. John, M.A.
Secretary . . . . . Miss A. A. L. Elliott, B.A.

Note.—Communications to the Ontario College of Education should be addressed to the Secretary, Ontario College of Education, 371 Bloor Street W., Toronto 5.

CALENDAR 1954

Jan.

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CALENDAR 1955

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Mar.

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April

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May

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June

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July

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Aug.

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Sept.

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Nov.

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Dec.

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THE ONTARIO COLLEGE OF EDUCATION

Courses in Education

GENERAL INFORMATION

In its courses in education the Ontario College of Education trains candidates for certificates as teachers and in particular for Provincial certificates as teachers of Art, Home Economics, Physical Education, Vocal Music, Instrumental Music, Commercial Subjects, Vocational Education, Industrial Arts, as High School Assistants and as teachers of public and separate schools. It also offers courses leading to the B.Paed., D.Paed., B.Ed., M.Ed., Ed.D., M.A., and Ph.D. degrees.

The buildings of the Ontario College of Education on Bloor Street contain lecture-rooms, laboratories, and reading-rooms for the accommodation of the students, and model class-rooms for observation and practice-teaching. So far as necessary the observation and practice-teaching are supplemented by observation and practice-teaching in schools in and near the City of Toronto.

While the chief exercises of the Ontario College of Education will be conducted in the buildings on Bloor Street, the students in Education may use the University's library, gymnasium, and athletic fields, and Hart House, under such conditions as obtain with other students. They will also be admitted free to the Royal Ontario Museum, Bloor Street, and to the Toronto Art Gallery, Dundas St., from 9 a.m. to 5 p.m., on presentation of their registration cards.

BOARD AND LODGING

The Secretary of the Ontario College of Education will forward lists of boarding-houses on request.

COURSES AND CERTIFICATES

1. (1) The following courses are offered:

(*a*) Courses for Interim High School Assistants' certificates, Type B; Interim High School Assistants' certificates, Type A,[1] including Physical Education, Art, Instrumental Music, and Vocal Music;[2] Interim First Class certificates;[3] Interim Elementary certificates in Art; Interim Elementary Type A certificates in Physical Education, Industrial Arts,[3] Instrumental Music, and Vocal Music; Interim Intermediate certificates

[1]See Section 18 (1).

[2]The courses leading to High School Assistants' certificates, Type A, in Physical Education, Art, Instrumental Music and Vocal Music are open only to those who qualify under Section 26.

[3]This course may not be completed in the regular College session but requires a subsequent summer session before the candidate will be recommended for the certificate.

in Home Economics; Interim Elementary Commercial certificates; Interim Vocational certificates; and for Intermediate and Specialist certificates in Industrial Arts.

(*b*) Courses for the degree of B.Paed. and B. Ed.

(*c*) Courses under the School of Graduate Studies for the degrees of D.Paed., M.A., M.ED., Ed.D. and Ph.D.

(2) High School Teachers' Certificates.[1]

(*a*) Grades of Certificates:

The following grades of certificates qualify the holders for teaching in High Schools and Collegiate Institutes:

(i) An Interim High School Assistant's certificate, Type B, which qualifies the holder for two years as an Assistant.

(ii) A Permanent High School Assistant's Certificate.

(iii) An Interim High School Assistant's Certificate, Type A, which qualifies the holder for two years as an Assistant and as the head of a department in a Collegiate Institute.

(iv) A High School Specialist's Certificate.

(v) A High School Principal's Certificate.

(*b*) Requirements for the above Certificates:

(i) For an Interim High School Assistant's Certificate, Type B: The completion of the professional course of training for this certificate at the Ontario College of Education.

(ii) For a Permanent High School Assistant's Certificate: The Interim High School Assistant's Certificate, Type B, and two years' successful teaching experience in Ontario in a secondary school or in Grades IX or X of a Public or Separate School.

(iii) For an Interim High School Assistant's Certificate, Type A: The completion of the professional course of training for this certificate at the Ontario College of Education.

(iv) For a High School Specialist's Certificate: An Interim High School Assistant's Certificate, Type A, and two years' successful teaching experience in Ontario in the subject or subjects covered by the Interim High School Assistant's Certificate, Type A.

(v) For a High School Principal's Certificate: For this information consult the regulations of the Department of Education.

(*c*) The holders of Interim High School Assistants' Certificates, Type B, or Permanent High School Assistants' Certificates may secure Interim High School Assistants' Certificates, Type A, under the conditions outlined in Section 17 of this calendar.

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[1]For certificates in Vocational Training and in Industrial Arts, see Section 79.

SESSION

2. Enrolment will take place and the medical examination will begin at 9. a.m., Tuesday, September 21st. The Autumn Term will end December 17th, at 5 p.m., and the Winter Term will begin January 3rd at 9 a.m. The Spring Term will begin April 18th and end May 27th.

DUTIES OF STUDENTS

3. (1) Regular attendance on the part of candidates for Provincial certificates is indispensable, except for such as are exempt from attendance under the regulations of the Department of Education, and for such as are permitted by the Dean to act, after Christmas, for not more than a total of one fortnight, as substitute teachers in the schools of Ontario.

(2) Students whose class-work shows them to be unduly deficient in scholarship, or whose conduct, attendance or progress is unsatisfactory, may be dismissed from attendance by the Dean at any time during the session.

(3) On the Dean's report to the Minister of Education as to the physical unfitness of a student for training for a Provincial certificate as a teacher, the Minister may require a special medical examination of such student, and, as a result thereof, may direct that his registration for such training be cancelled.

(4) Various religious, athletic, literary and dramatic associations are formed each session. For professional improvement all students shall share in the activities of the literary and dramatic associations.

FEES

4. (*a*) For Intramural Students:

High School Assistants' Course, Type B, One-Year Intermediate Home Economics Course, and Vocational Training and Industrial Arts courses.

*Academic Fee	†Incidental Fees	Total Fee (if paid in one instalment)	First Term Instalment due Sept. 21	Second Term Instalment due Jan. 20
		Men		
$180	$35[1]	$215	$135	$80
		Women		
$180	$20[1]	$200	$120	$80

Notes: 1. The Academic Fee (which includes the examination and University Library fees) and the Incidental Fees are to be paid to the UNIVERSITY OF TORONTO. After January 20th, an additional deferred payment fee of $1 per month shall be imposed until the whole amount is paid.

2. A College Library deposit of $1 is to be paid at the College.

3. There is no additional fee for a High School Assistants' course, Type A, or for a Supplementary course when taken concurrently with the High School Assistants' course, Type B.

(*b*) For Extramural Students:

Fee for the final examinations of the High School Assistants' course, Type B, which includes the fee for the final examinations of the High School Assistants' course, Type A, if taken concurrently..... $20.00

*The fee is the same for the regular College Session as for the Session after Christmas.

†These Incidental Fees include the following fees:—

For men—Hart House; Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

For women—Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

[1]A student who holds an Ontario teaching certificate will pay $33 or $18, as the case may be, because he or she will not be required to take a medical examination.

Fee for the final examinations of the High School Assistants' course, Type A, if taken in a different Session from the final examinations of the High School Assistants' course, Type B	5.00
Fee for examination in one subject of any course when repeated in a subsequent Session	2.00

5. (1) EXEMPTION FROM FINAL EXAMINATIONS

Exemption from the final examinations of the various courses in which they are enrolled may be granted, in one or all, to intramural candidates, whose fees are paid in full by May 13, 1955, and whose progress and achievement have been reported as satisfactory by the supervisor of practice-teaching and by all of the instructors in the various subjects of study. The report of the supervisor of practice-teaching shall be based upon the critics' estimates of the practice-teaching of students concerned, and the reports of the instructors in the subjects of study shall be based upon term tests, assigned term-work and the instructors' observation of the students' interest and effectiveness in the work of the course or courses concerned.

(2) FINAL EXAMINATIONS

No candidate will be permitted to take more than twice any final examination, or part thereof, for any certificate listed in this calendar.

(3) APPEALS

The answer papers of the final examinations of all unsuccessful candidates for Provincial certificates are re-read by the examiners, and the results of the first reading reconsidered before a decision to reject is reached. Despite this fact any unsuccessful candidate may have his case considered a third time if within two weeks after the announcement of the results he lodges with the Minister of Education his appeal, with a statement of the grounds on which it is based, and with a fee of $2.00. The fee will be refunded if the appeal is sustained.

6. SCHOLARSHIPS AND PRIZES[1]

NOTE

On account of the continued tendency towards lower rates of interest, it is possible that the value of certain endowed scholarships and prizes at the time of payment may prove to be less than the amount stated in the calendar.

In those cases where the amount of the award is not payable from income earned on an endowed fund, payment will be dependent on the receipt of the amount of the annual award from the donor.

THE HUGH W. BRYAN MEMORIAL SCHOLARSHIP OF THE ONTARIO SECONDARY SCHOOL TEACHERS' FEDERATION

(1) The Ontario Secondary School Teachers' Federation has founded an annual scholarship of the value of the interest on $2,000 in memory of a former President of the Federation, Dr. Hugh W. Bryan. This scholarship will be awarded by the Bryan Memorial Scholarship Committee of the Federation, at the close of each session and after the receipt of a report from the Council of the College of Education, to the student in regular attendance throughout the session in the High School Assistants' Course who has shown "the most outstanding qualities of scholarship, teaching ability, and character."

THE LAURA L. OCKLEY SCHOLARSHIP IN HOME ECONOMICS

(2) Former students of Miss Laura L. Ockley, who was in charge of the training of Home Economics teachers in the University of Toronto from 1912 to 1943, have founded in her honour an annual scholarship of the value of $100. This scholarship will be awarded at the close of the session to a student in regular attendance in the High School Assistants' course, Type A, in Home Economics, or in the Intermediate Home Economics course, who has shown the most outstanding qualities of "scholarship and teaching ability in Home Economics and leadership in human relations." Awards over a period of years will be made to students of the High School Assistants' course, Type A, in Home Economics, and of the Intermediate Home Economics course in proportion to the registration in these courses during that period.

THE PAKENHAM MEMORIAL PRIZE

(3) As a memorial to Dr. William Pakenham, Dean of the Ontario College of Education from 1907 to 1934, the teachers of Ontario have founded an annual Memorial Prize of the value of the interest on $1,000.

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[1]Only one scholarship or prize shall be awarded to any one student.

The Prize will be in the form of books stamped with the Coat of Arms of the University of Toronto, and will be awarded to the student who obtains the highest standing, as reported in the annual returns of the College, in the subjects of Part I of the High School Assistants' course, Type B, and in Practice Teaching.

THE WILLIAM PAKENHAM FELLOWSHIP IN EDUCATION

(4) The late William Pakenham bequeathed to the University of Toronto the residue of his estate to be used as the governing body of the University may direct in behalf of the activities of the Ontario College of Education.

Accordingly a Fellowship in Education has been established for advanced work either in the University of Toronto or in some other university approved by the Senate. The Fellowship shall be awarded at such intervals and have such value (not to exceed $3,000) as the Senate, on the recommendation of the Council of the Ontario College of Education, may from time to time determine. Applicants must be residents of Ontario, holding a Bachelor's degree, a teacher's certificate valid in a Canadian province, and must submit a record of professional experience and evidence of ability to make a contribution to education in Canada as a result of further work.

Applications shall be made on or before March 1st to the Secretary, Ontario College of Education.

THE JOHN THOMAS CRAWFORD MEMORIAL SCHOLARSHIP

(5) Mrs. J. T. Crawford has established an annual scholarship of $150.00 in the University of Toronto in memory of her husband, the late Professor John Thomas Crawford.

The scholarship, known as the John Thomas Crawford Memorial Scholarship, will be awarded to the candidate in the honour course in Mathematics and Physics in the University of Toronto who stands highest in the final examinations of the fourth year among those who proceed to the Ontario College of Education. The Scholarship will be paid on the successful completion of the fall term of the College of Education.

If no graduate of the Mathematics and Physics course attends the College the highest qualified candidate from the Physics and Chemistry course or from the Engineering Physics course, taken in that order, will be awarded the scholarship when other conditions are satisfied.

7. DOMINION-PROVINCIAL STUDENT-AID BURSARIES

Bursaries may be awarded to students in financial need who are resident in Ontario and who are in attendance at the University of Toronto. Further information may be obtained from the Secretary of the Faculty.

8. (1) HART HOUSE

All men students are required to become members of Hart House. The purpose and the conditions of this membership are defined in a bulletin to be distributed at the time of registration.

8. (2) UNIVERSITY HEALTH SERVICE

Information about this service may be obtained at registration.

COURSE FOR THE INTERIM HIGH SCHOOL ASSISTANT'S CERTIFICATE, TYPE B

CONDITIONS OF ADMISSION

9. (1) Except as provided in (2) and (3) below, an applicant for admission to the course for an Interim High School Assistant's certificate, Type B, shall make application not later than August 31st, to the Secretary of the Ontario College of Education on an official form to be obtained from the Secretary, and should submit with this application, also on official forms which will be supplied by the Secretary:

(*a*) A certificate of birth. An applicant must be at least 20 years of age before October 1st of the year in which he applies for admission.

(*b*) A certificate from a clergyman or other competent authority that he is of good moral character.

(*c*) A certificate of successful vaccination.

(*d*) A certificate from a competent authority that he is a British subject.

(*e*) His certificate of graduation as Bachelor or Master of Arts, Bachelor or Master of Science, Bachelor of Commerce, Bachelor of Science in Agriculture, Bachelor of Applied Science, Bachelor of Household Science, Bachelor of Music[1] or Bachelor of Physical and Health Education, from a British university, after a regular university course approved by the Minister of Education as to admission requirements and as to content of the undergraduate courses.

(2) Before the final admission, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education. The medical examination shall be completed before the opening of the regular College Session.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 21st, and shall hold themselves in readiness to appear for subsequent further examination as required. *Students are required to be in continuous attendance at the College during the period of the medical examination, September 21st to 25th.*

[1]This refers to the degree in the course in School Music of the University of Toronto introduced in 1946.

(3) No candidate will be admitted whose Ontario teaching certificate has been cancelled or suspended.

(4) Before the final admission, an applicant must also be approved by a Selection Committee consisting of at least three members of the College Staff and a member of the Ontario Secondary School Teachers' Federation, all of whom shall be appointed by the Dean.

(5) In the event of the rejection of an applicant in consequence of the medical examination or by the Selection Committee, and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

(6) An applicant for admission to this course who is not a candidate for the certificate of the Ontario Department of Education must comply with such conditions of admission as the Council of the Ontario College of Education may determine.

(7) Applications for admission to the examinations by students not in attendance at the regular session should be made, at least one month before the examinations begin, to the Secretary of the Ontario College of Education, University of Toronto, on an official form to be obtained from the Secretary.

10. TEXT-BOOKS

The text-books for the academic work are those prescribed for the High Schools of Ontario in each subject of the student's course.

For Observation and Practice-teaching students should supply themselves with copies of all necessary school text-books.

11. PROGRAMME OF STUDIES

(1) The course of training for the Interim High School Assistant's certificate, Type B, consists of two parts as follows:

Part I: (*a*) General professional courses, including an Introduction to Education, Educational Psychology, and School Management and Law.

(*b*) Courses in methods of teaching any *two* [1, 2] of the following:

English
Geography and History
Mathematics

[1]Candidates for High School Assistants' certificates, Type A, as defined in section 18 (1), in selecting their subjects from (*b*) above, must include the corresponding subject or subjects of the High School Assistants' course, Type A.

[2]German, Spanish, Greek and Italian may be chosen only by candidates for the High School Assistants' certificates, Type A, except by permission of the Dean.

Science
Latin
French
German
Greek
Spanish
Italian

Part II: Observation and Practice Teaching.

(2) Students in attendance in the High School Assistants' course, Type B, may take also, if they possess the required qualifications, a High School Assistant's course, Type A, and a Supplementary course.

(3) Diction and Voice Production.

At the beginning of the session the short course of lectures on Diction and Voice Production mentioned in Section 63 will be given. These lectures will be supplemented by corrective work with students whose need in this respect is revealed in their practice-teaching. Students requiring speech correction may be withdrawn by the Dean from their supplementary courses for this remedial work.

ORGANIZATION OF COURSE

12. (1) The instruction in the special methodology of the subjects of the High School courses shall be accompanied by a review from the academic standpoint of such portions of each subject as may be necessary to determine the scholarship of the students and to illustrate the methods of instruction in that subject, dealing in particular with those parts of the course that are difficult of presentation.

(2) The following introductory work shall be taken up at the beginning of the session:

(*a*) A brief course in the General Method of the Recitation as a preliminary to Observation and Practice-teaching.

(*b*) Supervised Observation and Practice lessons in High School grades. Students shall be notified of the subject and scope of each Observation lesson, and should prepare the lesson beforehand. After observing the lesson they shall discuss it with the teacher or lecturer concerned.

(3) The introductory course defined in (2) above shall be followed by systematic Observation and Practice-teaching, under the general supervision of the lecturers in the Ontario College of Education.

The Observation work shall begin in the third week of the session, and the Practice-teaching in the fifth week. Exclusive of the introductory work, the programme of instruction shall include for each student at least 25 full days of Observation and Practice-teaching. This number may be increased to meet the needs of individual students.

(4) (*a*) The Observation and Practice-teaching for each student shall be arranged to represent as far as practicable the work in all grades of the Lower, Middle, and Upper Schools of the High Schools.

(*b*) From time to time, throughout the College session, students shall be excused from the regular College exercises, and shall be assigned to approved practice-schools for continuous periods of Observation and Practice-teaching. For part of each of these periods of continuous practical work the student shall be wholly responsible for the management of his class.

(5) Students shall be notified of the subject and the scope of each Practice-teaching lesson required and shall prepare a plan of each Practice-teaching lesson for submission to the teacher.

(6) (*a*) The lecturers of the Ontario College of Education shall develop the details of their subjects in the teaching order, and, after each suitable step, model lessons will be taught in special classes and in the practice schools.

(*b*) From time to time, the lecturers of the Ontario College of Education shall be present at the Observation lessons and Practice-teaching of the students and shall join in the criticism and valuation of their work.

EXAMINATIONS

13. (1) The final standing of students in attendance shall be determined by the combined results of the sessional records and the records of the final examinations in the subjects of Part I, and by the results of the records of the Observation and Practice-teaching of Part II.

(2) The sessional records represent oral and written exercises, practical work, practice in making examination papers, and in valuing the answer-papers of pupils, and written examinations which shall test in particular the academic scholarship of the candidates.

(3) At the final examinations in Part I, each paper in the academic subjects shall contain questions in methodology, which shall test also the candidate's academic knowledge and, if his sessional records and his answers to these questions show that his academic knowledge is defective, he shall be rejected on this ground alone.

(4) No student in Science or in Modern Languages shall be recommended for a certificate who is not awarded 50% of the marks assigned to laboratory practice in Science or to the oral practice in the Languages.

(5) The maximum marks assigned to each subject in Part I shall be 100. In all subjects a maximum of 40% of the marks shall be assigned to the sessional records and 60% to the final written examinations.

(6) A maximum of 800 marks shall be assigned to Practice-teaching and of 300 to Observation. The standing of the student in Observation and in Practice-teaching shall be based upon his sessional records in the lessons following those which form part of the introductory courses.

CERTIFICATES

INTRAMURAL CANDIDATES

14. (1) A student who obtains 50% of the marks in each of the required subjects of Part I and 60% of the aggregate of the marks in each of the

divisions of Part II, may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim High School Assistant's certificate, Type B.

(2) A student who passes in Part II and fails in not more than one of the required subjects of Part I will be exempted from further attendance.

(3) All other students who have failed to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

EXTRAMURAL CANDIDATES

15. (1) (*a*) Candidates who are exempted from attendance at the Ontario College of Education, as provided in Section 15 (2), may complete their standing for a certificate by re-writing, at an annual examination, the examination in the subject in which they failed.

(*b*) Candidates who failed at an examination under former Regulations and who were exempted from subsequent attendance at the Ontario College of Education shall take, not later than a date determined in each case by the Minister of Education, the final examination papers as prescribed herein but their standing shall be determined in the subjects as constituted under the regulations in force when they first wrote.

(*c*) Candidates who have been exempted by the Minister of Education from attendance at the Ontario College of Education because they hold Permanent First Class certificates issued on the completion of a second session of attendance at a Provincial Teachers' College, or because they hold Permanent First Class certificates and for at least the last two years of their teaching experience have been graded better than "Average" by the Inspectors on the Teachers' Record Cards, and who are required to write on the final examinations of the Ontario College of Education shall present to the College, on or before February 15th of the year in which they write the final examinations of the High School Assistants' course, Type B, evidence of graduation as required by Section 10 (1) (*e*)[1]; they shall take the prescribed final examinations in the subjects of Part I, and shall also satisfy the examiners that they are competent to teach efficiently the subjects of the High School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

[1]From candidates exempted from attendance by the Minister, the College will accept in lieu of the actual certificate of graduation, an official statement from the candidate's university that the candidate has completed the work for the degree on or before February 15th of the year in which he presents himself to write the final examinations of the College, and that he will receive the degree at the next regular Convocation of his university.

(2) The pass standard for candidates exempt from attendance shall be the same as that for candidates in attendance, as required by Section 15 (1), but no allowance shall be made for sessional work, if any, in the case of candidates not in attendance.

(3) (*a*) Candidates exempt from attendance at the Ontario College of Education under (1) (*c*) above or (4) (*a*) below shall take their practical tests in Part II at such times during the session as may be agreed upon with the examiners, but not later than May 1st. They shall take their examinations in the subjects of Part I at one annual examination at the close of the session on dates to be determined by the examiners.

(*b*) Candidates exempt from attendance may take their written examinations in Part I at the Ontario College of Education, Toronto, or at one of the Provincial Teachers' Colleges outside of Toronto or, in the case of candidates who live in Provincial Districts, at approved local centres where inspectors of schools are available as presiding officers.

(*c*) Candidates exempt from attendance shall take their practical tests at the Ontario College of Education, Toronto, or, in special cases, at local centres under the supervision of the visiting Provincial Inspector. The conditions that determine these cases may be learned from the Ontario College of Education on application at the beginning of the session. A candidate who has failed in the practical tests at the Ontario College of Education or under a Provincial Inspector shall not be admitted to a second practical test during the same College session.

(4) (*a*) Candidates who have fulfilled the requirements for admission to the High School Assistants' course, Type B, and (i) who hold Ontario First Class certificates issued on the completion of one session of attendance at an Ontario Teachers' College and have had at least three years of successful teaching experience[1] in the Public, Separate, or Continuation Schools of Ontario, or (ii) who hold Permanent Second Class certificates issued on the completion of one session of attendance at an Ontario Teachers' College and have had at least six years of successful teaching experience in the Public or Separate Schools of Ontario, or (iii) who hold Permanent Second Class certificates issued on the completion of a second session of attendance at an Ontario Teachers' College, or (iv) who hold interim Vocational certificates and have had at least two years of successful teaching experience in the Vocational Schools of Ontario, shall be exempted from attendance at the Ontario College of Education but shall attend the Summer course for a High School Assistant's certificate, Type B, conducted by the Department of Education, and shall take the final examinations of the Summer course in the prescribed subjects of Part I. They shall also satisfy the examiners that they are competent to teach efficiently the subjects of the High School courses *either* by undergoing practical tests *or*

[1]Service personnel may count a year of service for a year of teaching experience, up to a maximum of two years, but *such candidates will be required to take a practical test in teaching.*

by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

(*b*) A candidate who has been duly admitted to the Summer Session for the High School Assistant's certificate, Type B, who attends throughout the session, and who successfully passes the examinations at the close of the session, may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim High School Assistant's certificate, Type B. The recommendation, however, will be withheld until the candidate has satisfied the examiners as indicated in (4) (*a*) above that he is competent to teach efficiently the subjects of the High School courses.

(*c*) Candidates who have obtained Interim Vocational certificates by attendance at the Ontario Training College for Technical Teachers or the Ontario College of Education, and who in addition to the practice teaching lessons required for a Vocational certificate, have taught to the satisfaction of the staff of the Ontario College of Education, at least ten lessons in academic subjects (English, Mathematics and Science) shall be exempted from the practical test in teaching.

(*d*) Candidates who have attended the Summer Course or have been exempted from attendance under (i) (*c*) above, and who fail in one or more of the various tests prescribed for an Interim High School Assistant's certificate, Type B, may complete their standing for said certificate under the following conditions: (i) candidates who fail in the practical test in teaching shall be admitted to a second test in a subsequent College Session; (ii) candidates who fail in more than one subject of Part I shall rewrite at one annual examination of the College Session the examinations in all prescribed subjects of Part I; (iii) candidates who fail in not more than one subject of Part I may rewrite at an annual examination of the College Session, the examination in the subject in which they failed; (iv) candidates who do not pass the final examinations of the Summer Session will be required to take the final examinations of the regular College Session within three years of having attended a Summer Session in this course, or must re-attend the Summer Session in order to be eligible for admission to the examinations for an Interim High School Assistant's certificate, Type B.

(*e*) Other candidates who hold an Ontario First or Second Class certificate with the academic standing required for admission to the High School Assistants' course, Type B, shall be exempted from attendance during the Autumn term[1]; but shall take all sessional tests held in the Winter and Spring terms and all the final examinations prescribed for Part I and shall also satisfy the examiners by practical tests that they are able to teach the subjects of the High School courses.

[1]Application for admission to the College at the beginning of the second term in January should be made not later than December 1st. Enrolment in January may be limited according to the available accommodation.

LETTER OF STANDING

16. (1) Candidates who have fulfilled the requirements for admission to the Course leading to the Interim High School Assistant's certificate, Type B, and who are exempted by the Minister of Education from attendance at the Ontario College of Education on account of equivalent training in other provinces of Canada or in other countries of the British Commonwealth of Nations, may be granted a *Letter of Standing* by the Minister valid, for not more than one year from the date of issue, in a secondary school, or in Grades IX and X of an elementary school.

(*a*) Before being granted a *Letter of Standing* an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education.

(*b*) Before being granted a *Letter of Standing* an applicant must submit a certificate from a competent authority that he is a British subject.

(2) On the statement of the Principal that the candidate has taught successfully for one year under the authority of a *Letter of Standing*, he may be recommended by the Inspector concerned for the Interim High School Assistant's certificate, Type B.

COURSES FOR INTERIM HIGH SCHOOL ASSISTANTS' CERTIFICATES, TYPE A

CONDITIONS OF ADMISSION

17. (1) Applicants for admission to the courses for Interim High School Assistants' certificates, Type A, or to the final examinations for said certificates, shall also be applicants for admission to the course for the Interim High School Assistant's certificate, Type B, or shall be applicants for admission to the examinations therefor without attendance throughout the session, or shall already hold High School Assistants' certificates. No candidate will be awarded an Interim High School Assistant's certificate, Type A, or receive credit towards said certificate *before* he has been awarded an Interim High School Assistant's certificate, Type B.[1]

(2) A candidate for an Interim High School Assistant's certificate, Type A, who is also a candidate for admission to the course for an Interim High School Assistant's certificate, Type B, shall comply with the conditions for admission prescribed for candidates for the Interim High School Assistant's certificate, Type B, and shall submit evidence of standing not lower than 66% in the final or graduation courses approved by the Minister of Education.

(3) The applicant whose standing is below 66% but not lower than 60% in these approved courses will be admitted to the final examinations leading to the Interim High School Assistant's certificate, Type A, on submitting evidence from the Principal and High School Inspector of at least ten years' teaching experience, graded better than average, in a High School, Collegiate Institute or Vocational School of Ontario subsequent to obtaining the academic standing referred to above.

[1]See Section 1 (2).

COURSES[1]

18. (1) Courses shall be offered for Interim High School Assistants' certificates, Type A, in Agriculture, Classics, English, English and French, English and German, English and Latin, English and Spanish, Geography, History, French and German, French and Italian, French and Spanish, Latin and French, Latin and Greek, Mathematics, Mathematics and Physics, Science, Physics and Chemistry, Physics and Biology, Chemistry and Biology, and Home Economics.

(2) Courses shall also be offered leading to Interim High School Assistants' certificates, Type A, in Physical Education, Art, Instrumental Music, and Vocal Music, under the conditions defined in Section 26.

(3) Each Type A course shall consist of at least the equivalent of two seminar-periods per week throughout the Session and of special Observation and Practice-teaching in the subjects in which the candidate is an applicant for a High School Assistant's certificate, Type A.

TEXT-BOOKS

19. Students in the courses for High School Assistants' certificates, Type A, shall supply themselves with such text-books as may be recommended by the instructors.

EXAMINATIONS

20. (1) Subject to the condition that no student may be awarded an Interim High School Assistant's certificate, Type A, who does not already hold or is not also awarded an Interim High School Assistant's certificate, Type B, the final standing of students in attendance in the High School Assistants' courses, Type A, shall be determined by the records of the Practice-teaching in the department or subject concerned, and by the combined results of the sessional records and the records of the final examinations in the same department or subject. The sessional records represent oral and written exercises, practical work, practice in preparing examination papers, and in valuing the answer-papers of pupils, and such term work as the instructors may prescribe. The records of the final examinations shall be based upon two examination papers taken in each department at the close of the session. The maximum marks represented in the Practice-teaching shall be 100; in the sessional records 40; and in the final written examinations of the department or subject 60.

(2) The final standing of students not in attendance shall be determined by the final written examinations and by teaching in the department concerned. For this purpose the maximum of marks in each case shall be 100.

CERTIFICATES

21. (1) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A,

[1]See footnotes 1, 2, page 15.

referred to in Section 18 to students in attendance who have fulfilled the conditions of the course for the Interim High School Assistant's certificate, Type B, and in their High School Assistants' course, Type A, have obtained (*a*) 66% of the aggregate of marks represented in the sessional records and the records of the final examinations and (*b*) 66% of the marks assigned to the Practice-teaching.

(2) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A, of Section 18 (1) to students exempt from attendance who hold or are awarded High School Assistants' certificates, who are duly qualified for admission to a High School Assistants' course, Type A, and who obtain 66% of the marks assigned to the written examinations and to the Practice-teaching, respectively, in the High School Assistants' course, Type A, concerned.

(3) Students who are awarded Interim High School Assistants' certificates, Type A, in Home Economics under (1) and (2) above and who hold or obtain First or Second Class certificates may have their High School Assistants' certificates, Type A, endorsed as valid in the Home Economics departments of the Public and Separate Schools.

(4) (*a*) For students not in attendance the written examinations in the courses for Interim High School Assistants' certificates, Type A, of Section 18 (1) will be held at the close of the session at such centres and under such conditions as are set out in Section 16 (3).

(*b*) For students not in attendance the practical examinations shall be held at the Ontario College of Education, Toronto, or at local centres as prescribed in Section 16 (3).

SUPPLEMENTARY COURSES[1]

22. Students in attendance in the High School Assistants' course, Type B, may take also *one*[2] of the following Supplementary courses:

I. Course for the Elementary Physical Education certificate, Type A.
II. Course for the Elementary Art certificate.
III. Course for the Elementary Vocal Music certificate, Type A.
IV. Course for the Elementary Instrumental Music certificate, Type A.

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[1]Students taking the High School Assistants' courses, Type A in Physical Education, Art, Vocal Music, Instrumental Music, or Home Economics are responsible for the Elementary course, or in the case of Home Economics the Intermediate course, in these subjects and may not take a supplementary course in another field.

[2]Any student may, with the approval of the instructor, take the Elementary courses in both Vocal Music and Instrumental Music.

V. Course for the Elementary Commercial certificate.[1]
VI. Course for the Elementary Industrial Arts certificate, Type A.[2]
VII. Course for the Intermediate Home Economics certificate.[3]
VIII. Course for the First Class certificate.[2]

Within one month of the beginning of the above Supplementary courses, the student shall satisfy the instructor of the Supplementary course he has chosen that he is adapted to the study of the course, or his registration in the Supplementary course shall be cancelled.

23. (1) The subjects of supplementary courses I-VIII shall be those set forth in Sections 52-62 and 31, respectively. Observation and Practice-teaching are obligatory in each of these supplementary courses.

(2) Students in supplementary courses I-VIII shall supply themselves with such text-books and equipment as may be recommended.

EXAMINATIONS OF SUPPLEMENTARY COURSES I-VII[4]

24. (1) PHYSICAL EDUCATION:

Practical Tests:

FOR WOMEN: Gymnastics, Games, Rhythmics.

FOR MEN: Basic Drill, Gymnastics, Apparatus, Games, Swimming.

Fifty per cent of the marks in each of the practical tests shall be assigned to the sessional and fifty per cent to the final tests.

Written Examination:

Theory, Methods and Materials.

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[1]Admission to this course is restricted to students who submit evidence of having a satisfactory functional knowledge of the elementary principles of Bookkeeping, Shorthand and Typewriting, or of having successfully completed an approved course in Bookkeeping, Shorthand and Typewriting in a Vocational secondary school or at a university. A student who submits the required evidence with respect to *two* of the three subjects mentioned above may be allowed by the Dean to proceed with the course. A supplementary course for beginners in Bookkeeping, Shorthand, Typewriting and Penmanship is also open fo any one who wishes to commence the study of these subjects with the intention of continuing in commercial education. Upon the successful completion of the beginners' course, a subsequent Summer Session would be required to obtain the Elementary certificate.

[2]The Supplementary courses leading to the First Class certificate and to the Interim Elementary Type A certificate in Industrial Arts may not be completed in the regular College session, but require one subsequent Summer session before the candidates will be recommended for the certificates.

[3]Admission to this course is restricted to students who submit evidence of graduation, with a standing not lower than 60% in the Home Economics of the final year from a University course approved by the Minister of Education in which, for at least the last two years of the course, Home Economics has been a regular subject of study.

[4]See Section 32 for Course VIII.

(2) ART:

Practical Tests:

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering.

Written Examinations:

Theory and History of Art, Methods of Teaching Art.

(3) VOCAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Voice Training and Song Material, Conducting.

Written Examinations:

Rudiments of Music, Music Appreciation, Methods.

(4) INSTRUMENTAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Technical Training, Conducting.

Written Examination:

Methods.

(5) COMMERCIAL SUBJECTS:

Practical Tests:

Shorthand Practice, Typewriting, Penmanship.

Written Examinations:

Shorthand Theory, Bookkeeping, Methods.

(6) INDUSTRIAL ARTS:

Practical Tests:

Draughting, Woodworking, Sheet Metal Work, Machine Shop Practice.

Written Examination:

Methods of instruction and class organization of the General Shop.

(7) HOME ECONOMICS:

Practical Tests:

Meal Management; Care of the Home and Family; Clothing—Selection, Construction and Care.

Written Examination:

Theory and Methods. Parts I and II

CERTIFICATES FOR SUPPLEMENTARY COURSES I-VII[1,2]

25. (1) On the recommendation of the examiners the Minister of Education may grant an Elementary certificate in Art or an Elementary Commercial certificate or an Elementary Type A certificate in Physical

[1]The certificates which are mentioned herein are those valid for teaching in High Schools, i.e., in Physical Education, the Elementary Type A, and the Type A; in Vocal Music and Instrumental Music, the Elementary Type A, and the Type A; in Art, the Elementary and the Type A; in Industrial Arts, the Elementary Type A; in Home Economics, the Intermediate; and in Commercial Subjects, the Elementary.

[2]See Section 33 for Course VIII.

Education or Vocal Music or Instrumental Music or an Intermediate certificate in Home Economics, or standing in Part I of the course for the Elementary Type A certificate in Industrial Arts, as the case may be, to a student in the course for an Interim High School Assistant's certificate, Type B, provided that the said student is awarded an Interim High School Assistant's certificate, Type B, and obtains a minimum of 60% of the marks assigned to practice-teaching and (*a*) in Art or Physical Education or Industrial Arts a minimum of 50% of the marks assigned to each subject of the written examination and 60% of the marks assigned to each subject of the practical tests, or (*b*) in Commercial subjects a minimum of 50% of the marks assigned to each subject, or (*c*) in Vocal Music or Instrumental Music or Intermediate Home Economics a minimum of 60% of the marks assigned to each subject of the written examination and practical tests.

No student shall be recommended for a certificate or for standing in Art or Physical Education or Vocal Music or Instrumental Music or Industrial Arts or Home Economics or Commercial Subjects whose attendance or progress in any part of the course has been reported as unsatisfactory.

(2) The Dean shall investigate the claims of the candidates for the Elementary Type A certificate in Physical Education who report themselves as unable for physical reasons to take the course in swimming, provided that such claims are presented to the instructor on a form and after a manner defined by the Minister of Education. Candidates who are exempted by medical certificate from the course in swimming and candidates who have failed to obtain pass standing in the course in swimming may be awarded Elementary Type A Physical Education certificates endorsed "not including swimming".

(3) On the recommendation of the examiners, the Minister of Education may permit candidates in the supplementary courses I-VII who have been awarded Interim High School Assistants' certificates, Type B, and have obtained a minimum of 60% of the marks assigned to practice-teaching but have failed to obtain standing in their respective courses to complete their standing in said courses under the following conditions:

(i) In Physical Education or Industrial Arts or Home Economics, candidates who fail in the written examination, but pass in all the subjects of the practical tests may complete their standing by passing in the written examination at a subsequent examination without further attendance; candidates who pass in the written examination but fail in one or more of the subjects of the practical tests may complete their standing by passing in the subjects concerned at a subsequent Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(ii) In Art or Vocal Music or Instrumental Music, candidates who fail in not more than two subjects of the written and practical tests

may complete their standing by passing in the subjects concerned at a subsequent examination without further attendance, but in the subjects of the practical tests such candidates must try the tests conducted at the Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(iii) In the Commercial course, candidates shall be allowed credit towards an Elementary certificate in the subject or subjects in which they are successful.

COURSES FOR THE HIGH SCHOOL ASSISTANTS' TYPE A CERTIFICATES IN PHYSICAL EDUCATION, ART, VOCAL MUSIC, AND INSTRUMENTAL MUSIC

26. (1) Admission to the High School Assistants' course, Type A, in Physical Education as well as the Elementary course in Physical Education will be granted to students (i) who hold the degree of Bachelor of Physical and Health Education of the University of Toronto with a final standing not lower than 60%, or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and who hold the degree of Bachelor of Physical and Health Education of Queen's University with a final standing not lower than 60%, or (iii) who hold the degree of Bachelor of Arts of the University of Western Ontario obtained in the honour course[1] in Physical Health and Recreation Education, with a final standing not lower than 60%.

(2) Admission to the High School Assistants' course, Type A, in Art as well as the Elementary course in Art will be granted to students who hold the degree of Bachelor of Arts of the University of Toronto obtained in the honour course in Fine Art or in Art and Archaeology with a final standing of not lower than 66%.

(3) Admission to the High School Assistants' course, Type A, in Vocal Music[2] will be granted to students (i) who hold either the degree of Bachelor of Arts of the University of Toronto obtained in the honour course in Music or the Bachelor of Music degree of the University of Toronto obtained in the course in School Music,[3] with a standing of at least 60 per cent., or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the degree of Bachelor of Music of the University of Toronto obtained in the course in General Music, or (iii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the teacher's or performer's diploma of

[1]Graduates of this course with the Recreation option are not eligible for the Type A course in Physical and Health Education.

[2]Students of the Type A course in Vocal Music may, with the approval of the instructor, take the Elementary course in Instrumental Music.

[3]This refers to the degree in the course in School Music of the University of Toronto, introduced in 1946.

the Royal Conservatory of Music of Toronto, or the Special Music certificate of Queen's University, or the Associate (teacher's) diploma of the Western Ontario Conservatory of Music, or the Diploma of Music Graduate in Pedagogy of the University of Western Ontario.

Admission to the High School Assistants' Course, Type A, in Instrumental Music will be granted to students who hold the Bachelor of Music Degree of the University of Toronto obtained in the course in School Music.[1]

27. Students admitted to the High School Assistants' course, Type A, in Physical Education, Art, Vocal Music or Instrumental Music under Section 26 shall supply themselves with such text-books and equipment as may be recommended by the instructors.

CERTIFICATES

28. (1) On the recommendation of the examiners, the Minister of Education may grant High School Assistants' certificates, Type A, in Physical Education, Art, Vocal Music or Instrumental Music to those admitted under Section 26 who fulfil the conditions stated in Sections 20 and 21 (1).

(2) Students who are awarded Interim High School Assistants' certificates, Type A, in Physical Education, Art, Vocal Music or Instrumental Music under Section 26 and who hold, or obtain, Second or First Class certificates may also be awarded Supervisors' certificates valid in Public and Separate Schools.

COURSE FOR THE FIRST CLASS CERTIFICATE[2]

The course is conducted in accordance with the conditions prescribed in the Regulations, Examinations and Courses of Study of the Ontario Teachers' Colleges. It may not be completed in the regular College session but requires a subsequent Summer Session before the candidates will be recommended for the certificate.

CONDITIONS OF ADMISSION

29. Applicants for admission to the course for the Interim First Class certificate or to the final examinations for said certificate shall comply with the conditions of admission and attendance prescribed for candidates for the Interim High School Assistant's certificate, Type B. No candidate will be awarded an Interim First Class certificate before he has been awarded an Interim High School Assistant's certificate, Type B.

TEXT-BOOKS

30. The text-books for the academic work of the course shall be those prescribed in each subject for the High, Public and Separate Schools.

[1]This refers to the degree in the course in School Music of the University of Toronto, introduced in 1946.

[2]Course VIII as listed in Section 22.

PROGRAMME OF STUDIES

31. The course of training, which is supplementary to the course of training for the Interim High School Assistant's certificate, Type B, includes the following subjects some of which will be offered in the regular College session, the remainder in a Summer Session:

Part I: Educational Psychology; School Management; English, Part I; English, Part II; Mathematics; Social Studies; Science and Agriculture; Art; Music; Physical Education; Health; Industrial Arts.

In the development of the methodology of the course, emphasis shall be laid upon the correlation and integration of the subjects, and upon the importance of wholesome, vigorous, shared activities, directly connected with the learner's capacities and interests. The teacher's main function shall be represented as the stimulation and guidance of the learner, through the control of the regulating environment of the school; this postulates freedom and responsibility for the teacher and demands positive, definite teaching.

Part II: Observation and Practice-teaching—at least ten full days—to be conducted under conditions defined in Ontario Teachers' College courses for the Interim First Class certificate.

EXAMINATIONS

32. (1) Subject to the condition that no student may be awarded an Interim First Class certificate who is not also awarded an Interim High School Assistant's certificate, Type B, the final standing of the students in attendance in the course for an Interim First Class certificate shall be determined by the records of the Observation and Practice-teaching and by the combined results of the sessional records and the records of the final examinations in such course. Subject to the same condition, the final standing of candidates not in attendance shall be determined by the records of the final written examinations and of Practice-teaching.

(2) The examinations in the subjects of the course for an Interim First Class certificate shall be conducted, *pari passu*, in the terms and under the conditions set out in the Teachers' College Courses for the Interim First Class certificate.

CERTIFICATES

33. (1) (*a*) Subject to the conditions of Section 32 (1), and to the conditions defined in Ontario Teachers' College courses for the Interim First Class certificate, a candidate who obtains 60% of the marks in each subject of the course and 60% of the aggregate of the marks in each of Observation and Practice-teaching may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim First Class certificate.

(*b*) Subject to the same conditions, a candidate who passes in Observation and Practice-teaching and fails in not more than two subjects shall be exempted from further attendance and may complete his course for

an Interim First Class certificate by rewriting at one annual examination the examinations in the subject or subjects in which he failed.

(2) All candidates other than those referred to in (1) (*b*) above who have failed to obtain the necessary final standing will be required to attend such other sessions as the Minister may prescribe.

(3) Section 16 (1) (*a*), (*b*), (2) and (3) (*b*), which apply to the candidates for the Interim High School Assistant's certificate, Type B, who are exempt from attendance, shall apply also, *pari passu*, to candidates for the Interim First Class certificate who are exempt from attendance.

(4) The Regulations of the Department of Education respecting Permanent First Class Certificates are contained in the Department's Circular No. 72. Holders of Interim First Class Certificates obtained after training at the Ontario College of Education are referred to Regulations III (2).

DETAILS OF SUBJECTS

34. The details of the subjects of the courses for Interim High School Assistants' certificates, Types A and B, for Elementary certificates in Physical Education, for Elementary certificates in Art, for Elementary certificates in Instrumental Music and Vocal Music, for Intermediate certificates in Home Economics, and for standing in Elementary Industrial Arts, are set out below.

For the course for the First Class certificate these details and subjects shall be supplemented by the details and subjects set out in the Teachers' College courses for the First Class certificate.

INTRODUCTION TO EDUCATION

35. (i) Instruction regarding types of lessons, preparation of lesson plans, etc., preliminary to Observation and Practice-teaching in schools. Demonstration lessons followed by discussions of the principles involved will be arranged throughout the Autumn term.

(ii) The school and society: purposes and aims of education, relationship of the school to the home and community and to other educational agencies, major problems of secondary education, survey of the chief contributions of outstanding philosopher-educationists since 1800; current school of educational thought, library practice. Teacher appraisal. Audio-visual aids. Guidance and counselling.

EDUCATIONAL PSYCHOLOGY

36. (i) The psychology of adolescence.
(ii) The psychology of adjustment.
(iii) The mental health of the pupil and teacher.
(iv) The psychology of learning.
(v) Intelligence: individual differences.

SCHOOL MANAGEMENT AND LAW

37. School Management, School Organization, School Administration; aims and scope of each; relation of each to the teaching process.

The Ontario school system: Department of Education, and its organization and functions; local administrative units; school boards, their selection, organization and functions; types of schools; school finance and business administration; relation to other public services.

The High School plant: provision, maintenance, care and use; special accommodations; relation to community activities.

The High School curriculum: aim, structure and use; texts; extra-curricular activities.

The High School pupil: attendance, rights, duties, guidance.

The High School teacher: professional status; personal qualifications; training and certification; appointment, tenure, payment, superannuation; duties in relation to trustees, parents and other citizens; duties in relation to supervisors, colleagues and pupils; freedom and responsibility.

High School organization: admission, exclusion, classification, grading, promotion, tests of progress, records and reports, recommendations, staff-meetings, time-tables, supervised study, homework.

Supervision: inspectors, principals, heads of departments; their powers and duties.

Discipline: aim and scope; relation to methods of teaching; incentives; causes of disorder and inattention; methods of dealing with weaknesses and delinquencies.

School Law and Regulations: Public Health Acts and Regulations in so far as they refer to the duties of school boards, teachers and pupils.

ENGLISH

38. (1) *Literature.*—The place of literature in school courses; the principles followed in Ontario and elsewhere in arranging literature courses for schools; books suitable for intensive and extensive study in the various forms or grades of the school; class treatment of such types of literature as the short poem, the long narrative poem, the play, the essay, the short story, and the novel; examinations in literature; supplementary reading, its importance, selection of books, testing of reading.

The course in literature includes a consideration of the problems connected with the teaching of silent and expressive reading.

(2) *Composition.*—The aim in teaching composition; principles to be followed in arranging a course; the place of grammar and of rhetoric in the High School course; the use of models; choice and variety in subjects; assigning, valuing and correcting compositions; special problems of oral composition.

SEMINAR IN ENGLISH

For Type A candidates in English and, in part, English and French, and English and Latin.

39. A consideration of the following phases of the teaching of English: (*a*) courses of study, (*b*) presentation of difficult topics, (*c*) special methods of teaching.

SOCIAL STUDIES: GEOGRAPHY AND HISTORY

40. Place and objectives of the Social Studies in the secondary school curriculum; nature of Social Studies, Geography, and History, as subjects; course of study in the Intermediate and Senior Divisions in Ontario; demonstration and discussion of teaching procedures: planning a course of study; standards and examinations; books and other equipment.

41. SEMINARS IN GEOGRAPHY AND IN HISTORY.

For Type A candidates in Geography and in History.

Teaching and discussion of selected topics from the courses of study in the Senior Division; the role of the specialist teacher.

MATHEMATICS

42. *General Mathematics.*—The content and methodology of the courses for Grades IX and X, including commercial arithmetic and mensuration.

Algebra and Geometry.—The content and methodology of the Middle School courses prescribed in the "Courses of Study and Examinations of the High Schools, Collegiate Institutes and Continuation Schools."

SEMINAR IN MATHEMATICS

For Type A Candidates in Mathematics and, in part, Mathematics and Physics.

43. The seminar in mathematics will discuss methods in trigonometry and statics and the more advanced parts of Algebra and geometry; the order of presenting the parts of these subjects so as to secure the most logical and impressive relation among the parts; the relations of the subjects themselves; the place of the teacher in dealing with more mature minds; the history and development of such special topics as the algebraic equation, the vulgar and decimal fraction, loci, maxima and minima, the more difficult theorems on the conic sections; examinations in mathematics, their purpose, when they should be held, the character of the paper, methods of marking, making the classroom attractive with pictures and mathematical equipment, mathematical books to interest pupils and teachers, etc.

SCIENCE

44. *General Science.*—The content and methodology of the courses for Grades IX and X. Emphasis on the use of living specimens in the teaching

of biology; other visual aids such as preserved specimens, diagrams, charts, models, photographs, lantern slides, films, microprojectors; laboratory classes; demonstration experiments; pupils' reports; classroom discussion in relation to experimental work.

Physics and Chemistry.—The content and methodology of the prescribed courses for Grades XI and XII. Methods of conducting laboratory classes; demonstration experiments; the care and use of equipment; development (inductively) of the laws of physics and chemistry.

SEMINAR IN SCIENCE

For Type A candidates in Science *or* Physics and Chemistry *or* Physics and Biology *or* Chemistry and Biology and, in part, Mathematics and Physics.

45. Methods of presenting the topics prescribed for study in Grade XIII physics, chemistry, and biology during the current year. The purchase, storing, maintenance and repair of apparatus; the organization of the science programme; science clubs; the keeping of living animals and plants. The seminars in each of physics, chemistry and biology are conducted separately.

SEMINAR IN AGRICULTURE

For Type A Candidates in Agriculture[1]

46. The History of agricultural education in the United States and Canada and particularly in Ontario; developments prior to 1904; developments since 1904; the influence of Departmental regulations, the Ontario Agricultural College, Summer Courses and various organizations in the development of agricultural education; the present regulations of the Department of Education and their relation to the teaching of Agriculture in the elementary and secondary schools and Teachers' Colleges; qualifications of teachers; relations of school boards and teachers; provisions for inspection and reports; elective courses, and vocational agricultural courses in secondary schools.

Equipment and methods; special equipment needed for agricultural topics; arrangement of laboratory and classroom; storage and care of apparatus; preparation of illustrative material and charts; the projection lantern; the moving picture machine; agricultural periodicals, reference books and other sources of information; the school garden, planning and care; beautification of school grounds; home projects and collections; planning of courses; types of lessons; use of illustrative material; correlation of the science subjects in courses in agriculture.

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[1]Candidates for the High School Assistant's certificate, Type A, in Agriculture shall take also the Science of the course for the High School Assistant's certificate, Type B.

CLASSICS (LATIN AND GREEK)

47. The relation of method in teaching Latin or Greek to linguistic method in general; the effect of the object of teaching Latin or Greek upon the method in various departments, such as oral reading, grammar, translation, sight reading, and the literary or historical content; illustration of methods in typical lessons.

Pronunciation; oral reading, sight reading, and English translation as prescribed for the Lower and Middle Schools; general principles of word-structure and sentence-structure; word order; methods of teaching the parts of a lesson; topics of inflection and syntax as found in the Latin and Greek Books; special emphasis on difficult topics.

The course will stress oral practice in Latin.

SEMINAR IN CLASSICS

For Type A Candidates in Classics, Latin and Greek, and, in part, Latin and French, and English and Latin

48. In the seminar in Classics, the topics treated will be those which are germane to the teaching of the Latin and Greek authors and prose prescribed for study in the Upper School during the current year. These will include:

A study of adequate translation of the works of Latin and Greek authors.

Appreciation of the art of Horace, Virgil, Catullus, and Homer.

The Philosophy of Horace.

The legacy of Greece and Rome.

The teaching of the following metres: Hexameter, Elegiac, Sapphic, Alcaic.

The different types of poetry represented in the prescribed authors and the debt of English writers to classical originals.

The teaching of Latin continuous prose composition.

The morphology and syntax of Attic Greek together with a general treatment of the principles of Greek accent.

FRENCH, GERMAN, SPANISH OR ITALIAN

49. Pronunciation: Study of sounds and their spelling; phonetic symbols; devices for teaching; intonation exercises; dictation; singing.

Course of Studies in Grades IX and X: Introductory lessons, including conversational work for beginners; reading for comprehension; vocabulary building; conversation based on reading; paraphrasing; dictation; functional grammar, stressing the verb and pronoun.

Course of Studies in Grades XI and XII: Methods of conducting reading; increased emphasis placed on writing; grammar; translation from English into the foreign language; supplementary reading; testing.

Illustration of methods in typical lessons.

The course will stress oral practice in the foreign language.

SEMINAR IN MODERN LANGUAGES

For Type A Candidates in French and German *or* Spanish *or* Italian, and in part, Latin and French, English and French *or* German *or* Spanish.

50. In the seminar in Modern Languages, stress will be laid upon methods of presenting the work to be studied in Grade XIII during the current year.

Topics treated will include: Teaching of advanced grammar and prose composition; correction of written work; conducting of reading lessons; sight reading; supplementary reading; free composition; conversation; making of examinations; use of dictionaries and books of reference.

SEMINAR IN HOME ECONOMICS

(For Type A Candidates)

51. The development of Home Economics in Ontario schools. Present trends, values and aims.

Responsibilities of the home economics teacher for curricular and extra-curricular programmes.

Curricula: materials, procedures, content.

Teaching methods and techniques currently applied in this field.

Evaluation: objectives and materials.

The home economics classroom: selection, placement and care of furnishings and equipment.

Records, budgets, regulations.

The above topics will be presented, explored, discussed and demonstrated in regular seminars and accompanying demonstration classes.

PHYSICAL EDUCATION

52. This course is outlined in the Courses of Study for Grades IX-XIII issued by the Ontario Department of Education.

COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Theory, Methods and Materials (for men and women).

Practice (for men):

- **(*a*) Basic Drill.**
- **(*b*) Gymnastics.**
- **(*c*) Apparatus.**
- **(*d*) Games.**
- **(*e*) Swimming.**

Practice (for women):

- **(*a*) Gymnastics.**
- **(*b*) Games.**
- **(*c*) Rhythmics.**

SEMINAR IN PHYSICAL EDUCATION

For High School Assistants', Type A Candidates

53. (1) Organization and administration, including the following:
   (*a*) aims, objectives and policies,
   (*b*) selection and grading of teaching material,
   (*c*) marking and testing,
   (*d*) planning the curricular and extracurricular programmes.
   (2) Methods and survey of material (Women):
   (*a*) Physical Education—gymnastics, games, rhythmics, swimming,
   (*b*) Health Education—anatomy, physiology, body mechanics, first aid, healthful living, child study.
   (3) Methods and survey of material (Men):
   (*a*) Physical Education—basic drill, gymnastics, apparatus, games, swimming,
   (*b*) Health Education—anatomy and physiology, first aid, safety education, healthful living.

ART

54. COURSE FOR THE ELEMENTARY CERTIFICATE

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering, Theory and History of Art, Methods of Teaching Art.

SEMINAR IN ART

For High School Assistants', Type A Candidates

55. The seminar in Art will discuss classroom methods and problems relating to the advanced grades. Special emphasis will be given to (*a*) the securing, organizing and use of illustrative source material, such as slides, prints and exhibitions which can be used to interpret and intensify the study of art history and art criticism; (*b*) a more advanced study of the theory, history and practice of art.

VOCAL MUSIC

56. COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Voice Training and Song Material:

The adolescent voice; choral singing; practice in tone production, intonation, diction, and breath control; blending of voices in part singing; interpretation; analysis of song material for Grades IX and X.

Conducting:

The conducting patterns of common metres; special problems: attack and release, incomplete bars, expression, use of the left hand.

Rudiments of Music:

Notation (notes, rests, clefs); intervals and their inversion; metre and rhythm; scales (diatonic and chromatic); transposition; musical terms, abbreviations and ornaments.

Music Appreciation:

Teaching of the topics prescribed for Grades IX and X; the human voice, musical instruments, elementary form, nationalism, music aesthetics; study of selected compositions through recordings; organization of a course in music appreciation; choice and care of equipment.

Methods:

General principles of music education; analysis of the course for Grades IX and X; voice testing; teaching of rote songs, reading songs, part songs and theory; use of the piano; integration of music with other subjects; the relation of the school orchestra to the vocal programme; elementary scoring and transposition for instruments.

INSTRUMENTAL MUSIC

57. COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Technical Training:

Fundamentals of tone production and basic fingering in all families of instruments; playing scales, diatonic and chromatic; simple melodies; reading orchestral scores of elementary range; construction and care of all types of instruments.

Conducting:

The conducting patterns of common metres; special problems of conducting in instrumental groups.

Methods:

General principles of organization and instruction of instrumental classes; special methods of class teaching for strings, band classes, or combined groups.

NOTE: This is a practical course, with the emphasis laid on two essential points, (i) individual mastery of instruments;
(ii) methods of class teaching.

SEMINAR IN VOCAL MUSIC

For High School Assistants', Type A Candidates

58. *Sight Singing and Ear Training:*

Sight reading of songs based on the theory prescribed for Grade XIII; extraneous modulation; singing of major scales from any note in the scale to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords listed below for harmony; detection of errors in the performance of more advanced part songs.

Voice Training and Song Material:

Advanced study of topics listed in the Elementary Type A Course through choral works; unaccompanied singing; modern theories of voice training; the teaching of special classes in voice training; selection of song, choral and operatic material for Grade XIII classes, public performances and festivals.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Operetta:

The detailed study and preparation of an operetta for public performance.

Music Appreciation:

Teaching of the topics prescribed for Grade XIII; advanced form, music biography and history, the analysis of selected compositions with special attention to the prescribed works for Grade XIII; use of miniature scores; supplemental reading; evaluation of recordings for school use; use of radio in music appreciation.

Methods:

Modern theories of music education; musical talent and its measurement; the specially gifted pupil; the relation of Secondary School music to music in the Elementary School and to the work of the private teacher; administration; music festivals and adjudication; practice in individual tutorial work; the piano accompaniment of school singing; analysis of the prescribed course for Grade XIII.

SEMINAR IN INSTRUMENTAL MUSIC

For High School Assistants', Type A Candidates

59. *Sight Singing and Ear Training:*

Sight reading of songs based on the theory prescribed for Grade XIII; extraneous modulation; singing of major scales from any note in the scale to its octave; singing of intervals contained in the major and minor scales

(all forms); writing of exercises in two parts from dictation; recognition of chords for harmony; detection of errors in the performance of more advanced part songs.

The Orchestra and Band:

Orchestral playing, organization and conducting; selection of music for Grades IX to XIII class study, for orchestras and bands of High School calibre, and for public performance and festivals.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Arranging:

Transcription and arranging of selections from piano score for full orchestra or band; transposition for all instruments.

Methods:

Advanced study of topics listed in the Elementary Type A course.

Class instruction of instrumental classes, beginners and advanced classes, with all types of instruments.

60. COURSE FOR THE ELEMENTARY COMMERCIAL CERTIFICATE

(1) Shorthand Theory:

The principles of the Isaac Pitman system; writing continuous matter in approved shorthand forms; transcribing sight passages in continuous shorthand.

(2) Shorthand Practice and Transcription:

Writing from dictation for ten minutes, in approved Pitman Shorthand, easy material at the rate of sixty words per minute; transcribing of these notes on a typewriter with blanked keyboard; ten minutes to be allowed for revision of notes, and forty minutes for transcription.

(3) Typewriting:

(*a*) Typing for ten minutes on a typewriter with blanked keyboard at a net rate of thirty words per minute with 1% error or less. (The basis for estimating the number of words shall be five strokes per word.)

(*b*) Application of typewriting to simple problems in setting up business letters, headings, programmes, invitations, announcements, display work, tabular work.

(4) Bookkeeping:

The study of the various aspects of the fundamental equation, including journalizing, posting and the setting up of the financial statements in trading and non-trading organizations.

(5) Penmanship:

Posture, penholding, position of the paper, movement, development of speed, classification of small and capital letters according to similarity of basic principles. Graceful, legible business writing; ledger headings; figures; accounts; marking alphabet; writing on the blackboard.

(6) Methods—Minor:

(*a*) Methods of teaching Business Practice and Bookkeeping: instructional material; testing programme; presenting special topics; text-books; outlining courses; grading papers.

(*b*) Methods of teaching junior Shorthand and Typewriting.

(i) First year in Shorthand: organization of classes and materials; content of course; analysis of text-book; division of time for various sections of the work; various methods of approach; shorthand penmanship; reading of shorthand; how and when to test; the place of theory in junior classes; how and when to introduce transcription.

(ii) First two years in Typewriting: typing room, equipment and supplies; class organization; teacher's preparation; application of general principles to the teaching of typing technique; analysis and prevention of errors; speed development; tests and how to mark them; the second year course; written reports on actual lessons.

61. COURSE FOR THE ELEMENTARY INDUSTRIAL ARTS CERTIFICATE, TYPE A

This course may not be completed in the regular College session but requires a subsequent Summer session before the candidates will be recommended for the certificate.

Draughting: Orthographic projection problems; isometric drawing of rectangular, circular and cylindrical figures; sketching oblique views, geometric drawing; tracing and blue printing.

Woodworking: Nature, structure and characteristics of common woods; the selection and suitability of woods for various purposes; seasoning, defects and grading lumber; cutting out operations, planing, squaring, chiselling and paring; uses of various fastening materials; construction of common joints; various methods of wood finishing and care of brushes; use and care of band saw, variety saw, jig saw and jointer; the wood turning lathe, with elementary turning of single spindle and face plate work; sharpening and care of woodworking tools.

Sheet Metal Work: Laying out patterns, cutting, bending, soldering and rivetting of tin plate and galvanized iron; etching, hammering, planishing and polishing of brass and copper.

Machine Shop Practice: Hand tools and bench work; layout work and elementary machine operations.

Methods of instruction and class organization of the General Shop.

62. COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

The home economics curriculum: materials, procedures, content.

Fundamental principles, practices, and standards in home and family living.

Problems of organization; methods of teaching; aids to learning; home and classroom equipment. Departmental regulations. Guidance in classroom teaching.

63. DICTION AND VOICE PRODUCTION

General lectures on diction and voice production.

Corrective work and exercises.

ONE-YEAR COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS[1]

CONDITIONS OF ADMISSION

64. (1) A candidate for admission to the course for the Interim Intermediate certificate in Home Economics should make application, not later than August 31st, on a form to be obtained from the Secretary of the Ontario College of Education and should submit with this application:

(*a*) A certificate from a competent authority that she is a British subject.

(*b*) A certificate from a clergyman or other competent authority that she is of good moral character.

(*c*) A certificate of successful vaccination. Every candidate for admission must submit a certificate of successful vaccination with her application.

(*d*) A statement signed by herself to the effect that she intends, when opportunity offers, to teach the subject of Home Economics.

(*e*) One of the following:

A Permanent Second Class certificate obtained under the regulations in force subsequent to September, 1927; an Interim or Permanent First Class certificate; a High School Assistant's certificate; an Ordinary Vocational or a Specialist Vocational certificate.

(2) Candidates who fulfil the foregoing conditions of admission and who hold Elementary Certificates in Home Economics, Type A, B, or C will be exempted from attendance during the Autumn term.

COURSE OF STUDY

65. The Course of Study for the Intermediate certificate in Home Economics includes the following, with specific reference to the course in Home Economics for Grades VII, VIII, IX, and X:

[1]**In view of the very limited demand for this course at the present time, it will not be given in 1954-55.**

PART I

FOODS

Economics.—Marketing; points to be considered in selection; factors determining cost; saving of materials, fuel, and labour in preparation; care in the home; utilization of left-overs.

Nutrition.—Composition and nutritive value of foods; requirements to maintain the body in health; digestion of foods, factors influencing the diet, menu planning; diets for infants, children and adults.

Preparation.—Scientific principles underlying methods of preparation; application of these principles in food and meal preparation and service (family meals, meals for children, and meals for the aged and sick in the home).

CLOTHING

Selection.—Source and properties of the principal textile fibres; study of textile fabrics; principles of design; aesthetic and economic factors determining selection for the individual.

Construction.—Cotton, linen or woollen garments: choice and preparation of material, commercial patterns, use and care of the sewing machine, construction processes.

Care.—Daily, weekly, and seasonal; repairing; removal of stains, laundering.

HOME MANAGEMENT

The Home.—Standards of living in relation to home life; relation of the home to the community.

The House.—Planning, furnishing; renovation; care; problems and procedures in the management of the modern home; household budgets; use and care of household equipment, appliances and fabrics.

Sanitation.—Effect of environment on health; sanitary control of surroundings; disposal of waste.

Home Nursing and Child Care.—Care of the infant, child and adult; emergencies; bandaging.

METHODS

Objectives in teaching Home Economics; types of equipment; study of recommended courses; problems of organization; methods of teaching; demonstration of lessons; teaching aids.

PART II

Observation and Practice-teaching will be provided in selected Public and High Schools and will include a minimum of six practice lessons per student with an equal number of periods for observation lessons.

EXAMINATIONS

66. (1) Candidates for the Intermediate certificate shall pass in each of Parts I and II under the following conditions:

(*a*) Part I.

The following shall be the subjects in Part I with the maximum value of 100 for each subject:

Foods
Clothing
Home Management
Methods

The standing of candidates in the subjects of Part I will be determined by the sessional records and the final written examinations.

The sessional records, to which shall be allotted one-half the maximum value assigned above to each subject, shall consist of the daily credits and of the results of oral, written, and practical tests.

The final written examinations, to which shall be allotted the remaining half of the maximum value assigned above to each subject, shall include the following papers:

Foods
Clothing
Home Management
Methods

The pass standard in Part I shall be 60% of the marks assigned to each subject.

(*b*) Part II.

The standing of candidates in Part II shall be determined wholly by the sessional records. For this purpose the maximum value assigned to practice lessons shall be 300, and to observation lessons, 100.

The pass standard in Part II shall be 60% of the aggregate of the marks for the practice lessons and for the observation lessons respectively.

(2) (*a*) Candidates who pass in Part II and fail in not more than one subject of Part I will be exempted from further attendance.

(*b*) All other candidates who fail to obtain the necessary final standing will be required to attend another session, beginning after the Christmas vacation.

(3) (*a*) Candidates who are exempt from attendance under (2) (*a*) above may complete their standing for a certificate by taking at an annual examination, the examination, written or practical, in the subject in which they failed.

(*b*) The pass standard for candidates not in attendance will be the same as that for candidates in attendance, but no allowance will be made for sessional work in the case of those not in attendance.

CERTIFICATES

67. A candidate who takes the subjects and passes the examinations therein prescribed above shall be entitled to an Interim Intermediate Home Economics certificate which shall be valid in these subjects in any Public, Separate, High or Continuation School and in Grades IX and X of a Collegiate Institute, provided that the teacher is otherwise qualified to teach in such schools.

This Interim certificate shall be valid for two years. The conditions under which the Interim Home Economics certificate may be made Permanent are contained in the regulations of the Department of Education.

68. COURSES FOR CERTIFICATES IN VOCATIONAL EDUCATION AND INDUSTRIAL ARTS

The Ontario Training College for Technical Teachers, which was established in Hamilton in 1925, has been re-organized as a department of the Ontario College of Education, Toronto, as of September 1, 1946.

I. Courses for the Interim Vocational certificates, Type B and Type A.

II. Courses for Industrial Arts certificates:

1. The Intermediate certificate.
2. The Specialist certificate.

GENERAL CONDITIONS OF ADMISSION

(1) An applicant for admission to the courses referred to above shall make application, not later than August 31st, to the Director of Vocational Training, 371 Bloor Street West, Toronto 5, on a form to be obtained from him, and shall submit with this application, on forms also to be supplied by the Director:

(a) A certificate from the Deputy Registrar-General of Births, Parliament Buildings, Toronto, or an affidavit by one of the parents or other relative, or other person cognizant of the applicant's date of birth.

Age limits:

For the Interim Vocational course, male applicants shall be not less than twenty-three and not more than thirty-five years of age; female applicants shall be not less than twenty-one and not more than thirty-two years of age.

For the Intermediate Industrial Arts course, applicants shall be at least twenty years of age.

For the Specialist Industrial Arts course, applicants shall be not less than twenty-three and not more than thirty-five years of age.

(b) A certificate from a competent authority that he is a British subject.

(c) A certificate from a clergyman or other competent authority that he is of good moral character.

(d) A certificate of successful vaccination.

(2) Before the final admission, and provided that the applicant is not already the holder of a Teacher's certificate, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 21st, and shall hold themselves in readiness to appear for subsequent further examination as required. Students are required to be in continuous attendance at the College during the period of the medical examination, September 21st to 25th.

(3) In the event of rejection of an applicant in consequence of the medical examination and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

69. 1. COURSE FOR INTERIM VOCATIONAL CERTIFICATE, TYPE B

REQUIREMENTS FOR ADMISSION

To this course may be admitted Applied Science graduates (engineers) and skilled tradesmen.

(1) Engineers. A candidate shall be the holder of a degree from the faculty of Applied Science of a recognized university, and shall submit statements to prove not less than two years' subsequent experience in the field of his major subject.

(2) Skilled Tradesmen, who are not engineering graduates.

(*a*) Education.

Applicants are required to give evidence of secondary school graduation or the equivalent. Otherwise, candidates may be required to write examinations in English, Mathematics and Science, these examinations to be held at the College on the first day of the session.

(*b*) Trade Training and Experience.

(i) The training or apprenticeship required shall be that usually demanded for journeyman's qualifications in the trade concerned. Special training obtained in an approved day vocational school will be taken into account in considering the period of training. Applicants should submit statements from the persons or firms under whom they were trained, showing the length of the training period and the nature of the work.

(ii) The experience required shall be several years of wage-earning journeyman trade experience with approved high-grade firms, and shall be such as to show that the applicant is a skilled craftsman, competent in the main branches of the trade, and familiar with its recent develop-

ments. The length of the journeyman experience depends upon the nature of the trade. Documentary evidence of experience in the trade in approved shops shall be furnished by the applicant.

2. COURSE FOR INTERIM VOCATIONAL CERTIFICATE, TYPE A

REQUIREMENTS FOR ADMISSION

(1) This course is offered to Applied Science graduates (engineers) who have been graded 66% or higher in their final year and one other year at the university.

(2) Each candidate shall

(*a*) submit evidence of not less than two years of approved wage-earning experience in the field of his major subject,

(*b*) be required to take all the subjects of the course for Type B certificate, and to obtain grading of 66% or more in them,

(*c*) take additional courses in the organization, administration, and supervision of vocational schools, with special reference to the duties and responsibilities of the shop, technical or industrial directors, assistant principals and principals.

If his grading in the Type B course (see (2) (*b*)) is not a failure but is less than 66%, he will be recommended for a Type B certificate only.

70. PROGRAMME OF STUDIES

The course of training for the Interim Vocational certificate, Type B, consists of two parts:

Part I: Educational Psychology
School Law and Regulations
English
History of Vocational Education
Principles of Teaching and Classroom Management
Technical Subjects: 1. trade analysis,
2. shop plan,
3. equipment list,
4. yearly budget,
5. course of study.

Part II: Observation and Practice-teaching.

71. ORGANIZATION OF COURSE

(1) Every applicant shall be required to pass an examination designed to test his attainments as a skilled worker in the trade concerned. The examination shall be on the fundamental principles, operations, processes and skills of the trade, and shall be in two parts (1) written, (2) practical. In the practical examination he shall be required to show his skill in a performance test.

(2) In general, the course is built upon the experiences of the student-teachers in the practice schools. Observation is stressed during the early part of the session. Individual and group instruction will be increased until, in the final two weeks, the student-teacher will take charge of the class with no assistance from the teacher.

(3) During alternate weeks in the College, in addition to the programme of studies, the student-teacher is given an assignment to cover his duties in the practice school for the following week. A corresponding bulletin is mailed to the teacher, who reports on the progress of the student at the completion of each week of Practice-teaching.

(4) Where possible, student-teachers are sent at first to vocational departments in the smaller composite schools and later to technical schools in the larger centres. The Director and his staff visit the practice schools from time to time to assist in evaluating the students' work.

72. DETAILS OF SUBJECTS

The details of the subjects of the course for the Ordinary Vocational certificate are set out below.

EDUCATIONAL PSYCHOLOGY

(a) Psychology
  (i) intelligence, tests and measurements;
  (ii) learning, nature and laws; memory, fatigue, transfer, etc.
  (iii) mental hygiene of the pupil and the teacher,
  (iv) psychology of adolescence; school discipline.
(b) Guidance and Counselling.

SCHOOL LAW AND REGULATIONS

The Vocational Education Act, Regulations for Vocational Schools, the Apprenticeship Act, the Trade Schools Regulation Act; other legislation and regulations of direct concern to vocational schools.

ENGLISH

English—both oral and written—a brief review of the main essentials of grammar and composition to enable the shop teacher to avoid the more common errors in the use of words.

HISTORY OF VOCATIONAL EDUCATION

Brief historical sketch to show vocational aspects of educational developments; contributions of the educational reformers, Comenius, Locke, Rousseau, Pestalozzi, Fellenberg, Herbart, Froebel, Spencer; relation of industrial developments to the need for industrial education; development of secondary education, of vocational education; the manual training movement, the mechanics' institute, the farm and trade school, industrial and technical schools, trade schools; part-time, co-operative and apprenticeship classes; the Ontario educational system.

PRINCIPLES OF TEACHING AND CLASSROOM MANAGEMENT

Learning process as applied to practical subjects; formal lesson types; individual differences; individual and group instruction; lesson planning; instruction aid material—sheets, pictures, charts, films, models; organization of instruction material; tests and examinations; records; special shop problems.

TECHNICAL SUBJECTS

(a) Trade Analysis and Course of Study:

Study of the work of the skilled craftsman to determine the teachable content of each trade or calling. Analysis of the trade to determine the skill, and the trade, technical and concomitant knowledges of the skilled worker; selection of instructional materials and arrangement into groups according to learning difficulties; selection of projects to be used to fit the order of the course of study; determination of related mathematics, science, drawing and auxiliary information needed in each project, preparation of course of study; unit courses.

(*b*) Shops Plan, Equipment List, and Annual Budget:

Study of desirable features of shops and classrooms, size, shape, lighting, lay-out; preparation of minimum, and desirable, lists of equipment for the type of shop in which the teacher-in-training will work; design of benches, tables, furniture, selection of tools and machines; approximate prices; preparation of annual budget.

73. II. COURSES FOR INDUSTRIAL ARTS CERTIFICATES[1]

1. COURSE FOR THE INTERMEDIATE CERTIFICATE

This is a two-year course to provide training for those who contemplate the teaching of Industrial Arts in Public, Separate, Continuation and High Schools. Applicants admitted under condition B below shall be exempted from attendance during one year of the course.

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit:

A. Evidence of graduation from an approved regular four-year industrial course in a vocational school, which includes machine shop practice, woodworking, drafting, electricity, and auto mechanics; and evidence of at least one year of approved industrial wage-earning experience;

OR

B. Evidence of a Second Class of more advanced Ontario teaching certificate, and *either* an Elementary Manual Training certificate *or* a statement indicating successful completion of the work of Part I of the Elementary Industrial Arts course. Applicants who

[1]The Dean reserves the right to limit the total enrolment of Intermediate and Specialist candidates to twenty-five.

hold the Elementary Industrial Arts certificate, Type A shall be exempted from attendance during the autumn term but shall make application for admission not later than December 1.

74. PROGRAMME OF STUDIES

The course of training for the Intermediate certificate in Industrial Arts consists of two parts as follows:

Part I: Activity Analysis and Course of Study
Shop Work
History of Industrial Arts Education
Guidance

Part II: Observation and Practice-teaching.

Each student is given at least three weeks in a practice school. His teaching progresses from individual and group instruction to complete charge of routine duties and class instruction. If possible, he is sent to the general shop in (a) a public school, (b) a continuation or high school, and (c) a collegiate institute.

Note: For the Programme of Studies for those who must attend two years, see the Programme of Studies of the course for the Ordinary Vocational Certificate in Section 70.

75. DETAILS OF SUBJECTS
ACTIVITY ANALYSIS AND COURSE OF STUDY

See Technical Subjects in Section 70.

SHOP WORK

The present set-up consists of (a) Metal work, (b) Woodwork and Crafts. Each shop is organized on the general shop plan. At least four activities are being conducted in each shop. Metal work includes such activities as forge and vise work, sheet metal, welding, machine shop, and machinery principles. Woodwork and Crafts include drafting, woodwork (both hand and machine processes), building construction, practical electricity, furniture finishing, leather work, art metal work, and plastics.

HISTORY OF INDUSTRIAL ARTS

See History of Vocational Education in Section 70.

GUIDANCE

A course of lectures in educational and vocational guidance.

76. 2. COURSE FOR THE SPECIALIST CERTIFICATE[1]

This course is to provide training for those who contemplate teaching Industrial Arts in collegiate institutes.

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit a Permanent[2] Intermediate Industrial Arts certificate.

77. PROGRAMME OF STUDIES

The course of training for the Specialist certificate in Industrial Arts consists of two parts as follows:

Part I. Activity Analysis, Course of Study and Shop Management
Advanced Shop Work

Part II. Observation and Practice-teaching.

78. EXAMINATIONS AND CERTIFICATES

(1) The final standing of students in attendance in the course for the Interim Vocational Certificate or the courses for the Intermediate and Specialist Certificates in Industrial Arts shall be determined by the combined results of the sessional records and the records of the final examinations of Part I and by the results of the records of the Observation and Practice-teaching of Part II, of the course concerned.

(2) The sessional records in each course represent oral and written exercises, practical work, research and frequent tests; and at the close of each term there will be a set of examinations.

(3) A candidate shall pass in each of the subjects listed in the Programme of Studies of the course concerned. The pass standard shall be 50% of the marks assigned to each subject of Part I and 60% of the aggregate of the marks assigned to each of the divisions of Part II. A candidate for the Intermediate Industrial Arts certificate or the Specialist Industrial Arts certificate must pass a performance test before a certificate is issued.[3]

(4) (*a*) A candidate for the Interim Vocational certificate who passes in Part II and fails in not more than two subjects of Part I shall be exempted from further attendance.

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[1]This certificate may be obtained also in summer courses conducted by the Department of Education.

[2]Service personnel may be admitted on an Interim Intermediate Industrial Arts certificate.

[3]A candidate for the Interim Vocational certificate, either Type B or Type A, must obtain a minimum of 50% in the Trade test.

(*b*) A candidate for the Intermediate certificate in Industrial Arts who passes in Part II and fails in not more than two sections of Shop Work *or* one other subject of Part I shall be exempted from further attendance.

(*c*) A candidate for the Specialist certificate in Industrial Arts who passes in Part II and fails in not more than two sections of Advanced Shop Work of Part I shall be exempted from further attendance.

(*d*) All other candidates who fail to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

(*e*) A candidate exempted from attendance, as provided in Section 75 (4) (*a*), (*b*) or (*c*), may complete his standing for a certificate by re-writing at an annual examination the examination in the subject in which he failed. Examinations will be held at the close of the session at such centres and under such conditions as are set out in Section 16 (3) (b).

79. GRADES OF CERTIFICATES

(1) An Interim Vocational certificate, Type B, which qualifies the holder to teach a shop subject for two years in a vocational school.

(2) A Permanent Vocational certificate.

(3) An Interim Vocational certificate, Type A, valid for two years.

(4) A Permanent Vocational Specialist certificate.

(5) An Interim Intermediate certificate in Industrial Arts which qualifies the holder to teach shop work for two years in a public, separate, continuation or high school.

(6) A Permanent Intermediate certificate in Industrial Arts.

(7) A Specialist certificate in Industrial Arts which qualifies the holder to teach shopwork in a collegiate institute.

(8) A Vocational School Principal's certificate. For the requirements for this certificate, consult the regulations of the Department of Education.

LETTER OF STANDING

80. (1) Candidates who have fulfilled the requirements for admission to the course leading to the Interim Vocational certificate, Type B, and who are exempted by the Minister of Education from attendance at the Ontario College of Education on account of equivalent training in other provinces of Canada or in other countries of the British Commonwealth of Nations, may be granted a *Letter of Standing* by the Minister valid, for not more than one year from the date of issue, in the corresponding trade subject in a secondary school.

(*a*) Before being granted a *Letter of Standing* an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education.

(*b*) Before being granted a *Letter of Standing* an applicant must submit a certificate from a competent authority that he is a British subject.

(2) On the statement of the Principal that the candidate has taught successfully for one year under the authority of a *Letter of Standing*, he may be recommended by the Inspector concerned for the Interim Vocational certificate, Type B.

COURSES FOR DEGREES IN PEDAGOGY[1]

Courses leading to the Bachelor of Pedagogy degree are open only to those who enrolled in Pedagogy course prior to 1952. Degrees in Pedagogy will not be conferred after June, 1955. Those beginning graduate work in Education in July, 1952 or later will be enrolled in courses leading to the new Education degrees[2].

DEGREE OF BACHELOR OF PEDAGOGY (B.PAED.)

81. The degree of Bachelor of Pedagogy (B.Paed.) will be awarded under the following conditions:

(1) The candidate shall hold an approved degree in Arts, Education, Science, Agriculture, Engineering, or Commerce and a certificate as teacher valid in one of the Provinces of Canada and issued after a regular course in an approved training school or the equivalent of such certificate and course of training.

(2) The candidate shall be in attendance at the Ontario College of Education during two regular College Sessions or three Summer Sessions.

(3) The course shall consist of six units including units 1 and 2 and any four others of units 3 - 16 as follows:

1. *The Development of Modern Educational Systems*
   The movement towards state responsibility for the education of all, and the extension of state-controlled systems of education, particularly in Great Britain, the United States and Canada during the past two centuries.
2. *The Development of Modern Educational Thought and Practice*
   The thinking of outstanding educators and changing concepts of society which influenced classroom practice in England, the United States and Canada during the past two centuries.
3. *Educational Psychology*
   An introductory course in general educational psychology.
4. *School Law and Administration of Education in Ontario.*

[1]See Section 7 (4) for information regarding a Fellowship in Education.
[2]See Section 82.

5. *Supervision*

Functions and duties of supervisors and principals as related to the administration of the elementary and secondary school and improvement of instruction; specific administrative and supervisory techniques.

6. *Principles and Practices in School Administration*

The administration of education in England, the United States, Canada, Australia, New Zealand and South Africa. Relevant information regarding other countries may be included.

The course will include a consideration of such topics as centralization *vs.* decentralization, school legislation, division of duties between central and local authorities, educational finance, supervision, etc. Comparisons between systems in different countries will be stressed throughout the course.

7. *Measurement in Education*

An evaluation of various types of objective and essay-type examinations. The preparation and use of new-type tests. Standardized tests. The measurement of general and specific aptitudes, personality traits, and school achievement. Interpretation of test results.

8. *Educational and Vocational Guidance*

Basic principles and current practices in educational and vocational guidance, with a discussion of diagnosis, counselling, and the place of group work, in a student personnel programme.

9. *Instructional Techniques and Practices*

The development of theories of learning from Pestalozzi to modern times, and the influence of these theories on curricula and methods. A study of such general methods as the Dalton Laboratory Plan and the Enterprise Method, as well as an evaluation of various methods of teaching the subjects of the elementary and the secondary school curriculum.

10. *Educational Statistics and Experimental Methods*

An introductory course in elementary statistics. Design of experiments, including the logic of generalizing from a sample to the population and methods of planning investigations.

11. *Modern Philosophies of Education*

Critical survey of modern philosophies and the conflict of essentialist and progressivist schools of thought.

The nature of society and the aims of education in different types of society—especially in a democracy.
Various educational agencies; the peculiar place of the school; an evaluation of the school and a noting of new ventures designed to take care of the inadequacies of the school.

12. *Intelligence and its Measurement*

The nature, growth and distribution of intelligence. The preparation, administration and interpretation of group and individual mental tests.

13. *Mental Health and Child Study*

The factors involved in child development (pre-school period, early school years, intermediate years, adolescence) and the difficulties and problems of each period. The preventive and remedial phases of mental health.

14. *Diagnosis and Remedial Instruction*

Study of pupil difficulties and techniques of preventive and remedial teaching, with special emphasis on practices suitable for typical classrooms; use of diagnostic tests, observations and examinations and interpretation of the results.

15. *Adult Education*

History and organization of adult education in Canada; a survey of current philosophies of education in the adult field; psychology of learning for adults; problems of administration and presentation of adult education, and allied topics.

16. *Curriculum Development and Improvement*

Principles, problems, experiments, trends in curriculum development in elementary and secondary schools. Factors involved in leadership in curriculum development and the improvement of instruction. Analysis of curriculum programme in relation to modern concepts of curriculum.

Not more than four of these units shall be taken during a regular College Session and not more than two during a Summer Session. Courses for full-time students only will be offered in the regular Session. Not all units will be given in any one Session. Certain of the units will be offered only in alternate Sessions.

The candidate who has attended at least one summer session and who holds (*a*) an Ontario Vocational School Principal's Certificate, or (*b*) an Ontario Specialist or Intermediate Guidance Certificate, or who has completed attendance in any subject of the former Pedagogy courses, may be exempted from attendance in two units but shall take the written examination in these units.

For two of the above units the candidate, with the special previous consent of the Committee in charge of the courses, may substitute an approved course in another department of the University, of a standard not lower than that of a minor in a course leading to the degree of Doctor of Philosophy.

(4) The examinations, one paper per unit, shall be held in April and May at the University of Toronto or in other localities in the Province approved by the Senate and under a presiding examiner appointed by the Senate, provided the candidate thereat defray the cost of the local examination. The candidate shall send notice not later tnan February 15th indicating his intention to write the examinations, the particular units he will write, and the locality in which he wishes to write the examinations.

(5) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, regular College Session, including examination and library fees	125.00
Examination, per unit	3.00
Degree	10.00

All fees shall be paid to the University of Toronto with the application for registration or examination, as the case may be.

(6) The standard for a Pass degree shall be 60 per cent. of the marks assigned to each unit. The candidate who obtains 60 per cent. of the marks of each unit and 75 per cent. of the aggregate of marks shall be awarded a degree with Honours. On the report of the instructors concerned a maximum of 40 per cent. of the marks in any unit may be assigned to the term work of the candidate.

(7) The candidate who has completed one or more subjects not later than May, 1946, will be given credit for two units per subject, these units to be approved by the examiners in the subjects concerned.

DEGREE OF DOCTOR OF PEDAGOGY (D.PAED.)

82. The degree of Doctor of Pedagogy (D.Paed.) will be awarded until June, 1955, by the School of Graduate Studies under the following conditions:

(1) The candidate who completed not later than May, 1936, the course for the degree of Bachelor of Pedagogy is eligible for admission to the course for the degree of Doctor of Pedagogy. If the candidate for admission to the course for the degree of Doctor of Pedagogy has completed the course for the degree of Bachelor of Pedagogy in 1937 or later, he must pass a qualifying examination, to be held annually in February.[1] Details

[1]Under special circumstances and at the discretion of the Pedagogy Committee, other arrangements regarding the qualifying examination may be made for a student in full-time attendance who has credit for at least four units.

of this examination may be obtained on application to the Secretary of the Ontario College of Education.

(2) The candidate, after admission to the course, shall be in attendance at the Ontario College of Education during one regular College Session or one Summer Session.

(3) The course shall consist of two units as defined herein and a thesis as defined in (5) below.

A candidate admitted to the course for the degree of Doctor of Pedagogy shall take from the eighteen units listed in Sections 78 (3) and 79 (3) any two units not included in his course for the B. Paed. degree.

17. *Advanced Statistics and Measurement*

A study of recent developments in statistics and measurement, with emphasis on the mathematical assumptions and derivations underlying the theory; will include multiple regression, analysis of variance and covariance, sampling theory, and applications of statistical methods to the development of measuring instruments.

18. *Research in Education*

Nature of scientific thinking. Finding and defining the research problem. Advantages, disadvantages, limitations and theoretical aspects of various methods of doing research in education. Location, evaluation, analysis and presentation of data. The research report.

(4) The examinations shall be held at such times and under such conditions as to date of application, place of examination, percentages, term work, etc., as obtain with the Bachelor's degree.

(5) The candidate, after passing the prescribed examinations, shall also submit *on or before February 1st* a thesis on an educational topic. Before the research is begun, approval of the topic and of an outline of the proposed research must be secured from the Pedagogy Committee. The thesis must show scholarly treatment and literary excellence. After the examiners have reported in favour of the candidate's examinations and before the D. Paed. degree is conferred, the candidate shall furnish the Secretary of the School of Graduate Studies with three copies of the thesis, and shall make arrangements to publish the thesis or an approved abstract thereof. If the candidate publishes only an abstract of his thesis, he shall furnish the Secretary of the School of Graduate Studies with twenty-five copies of the abstract.

(6) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, Regular College Session, including examination and library fees	125.00
Examination, per unit	3.00
Examination of thesis	10.00
Degree	25.00

All fees shall be paid to the University of Toronto with the application for registration or examination as the case may be.

COURSES FOR DEGREES IN EDUCATION

The Ontario College of Education offers courses of instruction for degrees in Education during the regular college session and during the summer session. Application for admission to these courses must be made on forms to be obtained from the Secretary of the Ontario College of Education.

83. DEGREE OF BACHELOR OF EDUCATION (B.ED.)

The degree of Bachelor of Education will be awarded under the following conditions:

(1) The candidate shall (*a*) hold an approved degree in Arts, Education, Science, Agriculture, Engineering, or Commerce, (*b*) hold a certificate as teacher valid in Ontario issued after a regular course in an approved training school, or a certificate valid in another province of Canada deemed the equivalent of the Ontario High School Assistant's certificate or Permanent First Class certificate, (*c*) have completed one year's successful teaching experience subsequent to having obtained a teaching certificate.

(2) The candidate shall be in attendance at the Ontario College of Education during one summer session.

(3) The course shall consist of the following two units:

1. *The Development of Modern Educational Systems.*
   The movement towards state responsibility for the education of all, and the extension of state-controlled systems of education, particularly in Great Britain, the United States and Canada during the past two centuries.
2. *The Development of Modern Educational Thought and Practice.*
   The thinking of outstanding educators and changing concepts of society which influenced classroom practice in England, the United States and Canada during the past two centuries.

(4) The examination, one paper per unit, shall be held in April and May at the University of Toronto or in other localities in the Province approved by the Senate and under a presiding examiner appointed by the Senate, provided the candidate thereat defray the cost of the local examination. The candidate shall send notice not later than February 15th indicating his intention to write the examinations, the particular units he will write, and the locality in which he wishes to write the examinations.

(5) The standard for a pass shall be 60 per cent. of the marks assigned to each unit but until June, 1955 the passing standard as defined for the degree of Bachelor of Pedagogy will apply.[1] The candidate who obtains 60 per cent. of the marks of each unit and 75 per cent. of the aggregate marks shall be awarded a degree with Honours. On the report of the instructors concerned a maximum of 25 per cent. of the marks in any unit may be assigned to the term work of the candidate.

[1]See Section 80, paragraph 6.

(6) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Examination, per unit	3.00
Degree	10.00

The total fee, $96 (or $86 in the case of candidates who do not wish to receive the degree), is payable to the Chief Accountant's office of the University of Toronto when the candidate's application forms have been approved and returned to him for such payment.

84. DEGREE OF MASTER OF EDUCATION (M.ED.)[1]

The degree of Master of Education (M.Ed.) will be awarded by the School of Graduate Studies under the following conditions:

(1) The candidate shall hold the degree of Bachelor of Education from the University of Toronto, or the equivalent.

(2) The candidate shall be in attendance at the Ontario College of Education during one regular session and one summer session *or* during three summer sessions.

(3) The course shall consist of six of the following units:

3. *Educational Psychology*
   An introductory course in general educational psychology.
4. *School Law and Administration of Education in Ontario.*
5. *Supervision*
   Functions and duties of supervisors and principals as related to the administration of the elementary and secondary school and improvement of instruction; specific administrative and supervisory techniques.
6. *Principles and Practices in School Administration*
   The administration of education in England, the United States, Canada, Australia, New Zealand and South Africa. Relevant information regarding other countries may be included.
   The course will include a consideration of such topics as centralization *vs.* decentralization, school legislation, division of duties between central and local authorities, educational finance, supervision, etc. Comparisons between systems in different countries will be stressed throughout the course.
7. *Measurement in Education.*
   An evaluation of various types of objective and essay-type examinations. The preparation and use of new-type tests. Standardized tests. The measurement of general and specific aptitudes, personality traits, and school achievement. Interpretation of test results.

[1]See Section 7(4) for information regarding a Fellowship in Education.

8. *Educational and Vocational Guidance.*
Basic principles and current practices in educational and vocational guidance, with a discussion of diagnosis, counselling, and the place of group work, in a student personnel programme.

9. *Instructional Techniques and Practices.*
The development of theories of learning from Pestalozzi to modern times, and the influence of these theories on curricula and methods. A study of such general methods as the Dalton Laboratory Plan and the Enterprise Method, as well as an evaluation of various methods of teaching the subjects of the elementary and the secondary school curriculum.

10. *Educational Statistics and Experimental Methods.*
An introductory course in elementary statistics. Design of experiments, including the logic of generalizing from a sample to the population and methods of planning investigations.

11. *Modern Philosophies of Education.*
Critical survey of modern philosophies and the conflict of essentialist and progressivist schools of thought.
The nature of society and the aims of education in different types of society—especially in a democracy.
Various educational agencies; the peculiar place of the school; an evaluation of the school and a noting of new ventures designed to take care of the inadequacies of the school.

12. *Intelligence and its Measurement*
The nature, growth and distribution of intelligence. The preparation, administration and interpretation of group and individual mental tests.

13. *Mental Health and Child Study.*
The factors involved in child development (pre-school period, early school years, intermediate years, adolescence) and the difficulties and problems of each period. The preventive and remedial phases of mental health.

14. *Diagnosis and Remedial Instruction*
Study of pupil difficulties and techniques of preventive and remedial teaching, with special emphasis on practices suitable for typical classrooms; use of diagnostic tests, observations and examinations and interpretation of the results.

15. *Adult Education.*
History and organization of adult education in Canada; a survey of current philosophies of education in the adult field; psychology of learning for adults; problems of administration and presentation of adult education, and allied topics.

16. *Curriculum Development and Improvement.*
Principles, problems, experiments, trends in curriculum de-

velopment in elementary and secondary schools. Factors involved in leadership in curriculum development and the improvement of instruction. Analysis of curriculum programme in relation to modern concepts of curriculum.

17. *Advanced Statistics and Measurement.*
A study of recent developments in statistics and measurement, with emphasis on the mathematical assumptions and derivations underlying the theory; will include multiple regression, analysis of variance and covariance, sampling theory, and applications of statistical methods to the development of measuring instruments.

Not more than four of these units shall be taken during a regular College Session and not more than two during a Summer Session. Courses will be offered in the regular Session for full-time students only. Not all units will be given in any one Session. Certain of the units will be offered only in alternate Sessions.

Candidates who secure 75 per cent or more on at least two of the first four units elected in this course may apply for permission to substitute a thesis for attendance and examination in the last two units of the course. Such permission should be sought only by candidates who have confidence in their ability to conduct and report on educational research, and will be granted only to those whose standing on courses taken is high. Candidates who plan to enrol in courses leading to the degree of Doctor of Education are advised to elect the thesis option (see regulations for the degree of Doctor of Education below).

The candidate who has attended at least one Summer Session and who holds (*a*) an Ontario Vocational School Principal's Certificate, or (*b*) an Ontario Specialist or Intermediate Guidance Certificate may be exempted from attendance in two units but shall take the written examination in these units.

For two of the above units the candidate, with the special previous consent of the Committee in charge of the courses, may substitute an approved graduate course in another department of the University.

(4) The examinations, one paper per unit, shall be held in April and May at the University of Toronto or in other localities in the Province approved by the Senate and under a presiding examiner appointed by the Senate, provided the candidate thereat defray the cost of the local examination. The candidate shall send notice not later than February 15th indicating his intention to write the examination, the particular units he will write, and the locality in which he wishes to write the examinations.

(5) The standard for a pass shall be 66 per cent of the marks assigned to each unit. On the report of the instructors concerned a maximum of 25 per cent of the marks in any unit may be assigned to the term work of the candidate.

(6) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, regular College Session, including examination and library fees	125.00
Examination per unit	3.00
Examination and examination of thesis	75.00
Degree	10.00

The total of the fees payable by a candidate proceeding to the degree by summer sessions is $86 for the first summer session, $81 for the second, and $91 for the third. These amounts are payable to the Chief Accountant's office of the University of Toronto when the candidate's application forms have been approved and returned to him for such payment.

(7) The candidate who completed one or more subjects of the course for the degree of Bachelor of Pedagogy not later than May, 1946, will be given credit for two units per subject, these units to be approved by the examiners in the subjects concerned. Credits for units taken under former pedagogy courses may be transferred to education courses when the candidate has completed six units.

85. DEGREE OF DOCTOR OF EDUCATION (ED.D.)

The degree of Doctor of Education (ED.D.) will be awarded by the School of Graduate Studies under the following conditions:

(1) The candidate shall hold the degree of Master of Education with high standing from the University of Toronto, or the equivalent. If requirements for the degree were fulfilled in part by a Master's thesis, the candidate may at the discretion of the committee-in-charge be admitted to courses for the doctorate without further examination. The degree of Bachelor of Pedagogy with high standing from the University of Toronto will be accepted as an equivalent if the degree was conferred not later than June, 1952; those who secure the B. Paed. degree at a later date must complete two more units or a thesis.

(2) Candidates except those exempted for the reason stated in (1), shall write a qualifying examination for admission to courses leading to the Doctor of Education. This examination will be held annually in February, and details regarding it may be obtained on application to the Secretary of the Ontario College of Education[1].

(3) Candidates shall be in attendance at the Ontario College of Education during one regular College Session or two Summer Sessions. Candidates may attend one Summer Session before trying the qualifying examination.

[1] At the discretion of the Committee, special arrangements regarding the qualifying examination may be made for students in full-time attendance.

(4) Students in full-time attendance during the regular academic Session may enrol in the four required units, but under no circumstances will they be allowed to write the examination on these units unless and until they have passed the qualifying examination.

(5) The course shall consist of four units and a doctoral dissertation. A candidate admitted to the course for the degree of Doctor of Education shall take any two of the units 3 to 17 not included in his course for the M.Ed. degree. The candidate shall also take the following two units:

18. *Research in Education.*

Nature of scientific thinking. Finding and defining the research problem. Advantages, disadvantages, limitations and theoretical aspects of various methods of doing research in education. Location, evaluation, analysis and presentation of data. The research report.

19. *Seminar in Education.*

Presentation by candidates for the doctorate of the problems they propose to investigate and defence of procedures they intend to use. Intensive study under the direction of the staff of problems subsidiary to the topic presented. The seminar gives summer school candidates an opportunity to begin their research under close supervision.[1]

(6) The examinations shall be held at such times and under such conditions as to date of application, place of examination, percentages, term work, etc., as obtain with Master's degree.

(7) The candidate, after passing the prescribed examinations, shall submit a doctoral dissertation on an approved educational topic. Before the research is begun, approval of the topic and of an outline of the proposed research must be secured from the committee administering the degree of Doctor of Education. Under no circumstances will a dissertation be examined for credit unless the topic and the outline have received this initial approval. Candidates should secure a copy of a statement on "Requirements Applicable to Doctoral Dissertations" from the Supervisor of Graduate Students, Ontario College of Education, to whom all general correspondence regarding dissertations may be addressed. After a dissertation has been approved by the examiners, the candidate shall furnish the Secretary of the School of Graduate Studies with three bound copies and shall make arrangements to publish the dissertation or an approved abstract thereof. If the candidate publishes only an abstract of his dissertation, he shall furnish the Secretary of the School of Graduate Studies with 25 copies of the abstract.

[1]There will be no written examination in Unit 19.

(8) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, Regular College Session, including examination and library fees	125.00
Examination, per unit	3.00
Supervision and examination of dissertation	75.00
Degree	25.00

The total of the fees payable by a candidate attending summer sessions is $86 for the first summer session and $78 for the second summer session. These amounts are payable to the Chief Accountant's office of the University of Toronto when the candidate's application forms have been approved and returned to him for such payment.

DEGREES OF DOCTOR OF PHILOSOPHY (PH.D.) AND MASTER OF ARTS (M.A.)

For information about the courses for these degrees, candidates should consult the calendar of the School of Graduate Studies.

The University of Toronto issues the following official calendars, any one of which may be had on application to the Registrar of the University or to the Secretary of the Faculty about which information is sought.

CALENDARS

Admission Requirements
Admission Scholarships and Bursaries
Faculty of Arts
Faculty of Medicine
    Physical and Occupational Therapy
Faculty of Applied Science and Engineering
Faculty of Household Science
Ontario College of Education
Library School
Faculty of Forestry
Royal Conservatory of Music
    Faculty of Music
    School of Music
School of Graduate Studies
Faculty of Dentistry
School of Law
School of Architecture
School of Physical and Health Education
School of Social Work
School of Nursing
School of Hygiene
Institute of Child Study
University Extension—
    Teachers' Classes, Summer Session,
    Certificate Course in Business (Evenings)

Enquiries about the following colleges affiliated with the University of Toronto, should be addressed directly to the college concerned:

Ontario Agricultural College, Guelph
Ontario Veterinary College, Guelph
Ontario College of Pharmacy, 46 Gerrard St. E., Toronto

UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education

1955-1956

In view of increasing costs of supplies and labour, residence dues and other charges set forth in this calendar are subject to change by the Board of Governors.

UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education

1955-1956

THE UNIVERSITY OF TORONTO PRESS
1955

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CALENDAR, 1955–1956

1955—June 20.....Summer Session (High School Assistants') opens.

July 4.....Summer Session (Education) opens.

Aug. 5.....Summer Session (Education) closes.

Aug. 26.....Summer Session (High School Assistants') closes.

Sept. 20–24...Medical Examination.

Sept. 20.....Academic year begins at 9. a.m.

Sept. 21.....Address by the President to the students of all faculties and schools at 3.45 p.m. in Convocation Hall.

Oct. 10.....Thanksgiving Day.

Nov. 11.....Remembrance Day Service at 10.45 a.m. Lectures and laboratory classes withdrawn from 10.15 a.m. to 12 noon.

Dec. 16.....Last day of lectures. Term ends at 5 p.m.

1956—Jan. 2.....Winter Term begins at 9 a.m.

Jan. 20.....Last day for receiving the second instalment of fees.

Mar. 30.....Good Friday.

Apr. 9.....Spring Term begins.

May 11.....Last day of lectures.

May 14–25...Final Examinations (except for candidates for Intermediate and Specialist Industrial Arts certificates).

May 21–25...Final Examinations for candidates for Intermediate and Specialist Industrial Arts certificates.

May 23, 24, 25 University Commencement.

ADMINISTRATIVE OFFICERS

The University

President . . . . Sidney Smith, Q.C., M.A., LL.B., LL.D., D.C.L., F.R.S.C.

Vice-President . . . . . C. T. Bissell, M.A., Ph.D.
Registrar . . . . . J. C. Evans, B.A.
Chief Librarian . . . . . R. H. Blackburn, M.A., B.L.S., M.S.
Warden of Hart House . . . . . J. McCulley, M.A.
Director of University Extension . . . . . J. R. Gilley, B.A.Sc.

Comptroller . . . . . A. G. Rankin, B.Com., C.A.
Bursar and Secretary to the Board of Governors . . C. E. Higginbottom, F.C.I.S.
Superintendent of Buildings and Grounds . . . . . A. D. LePan, B.A.Sc.
Chief Accountant . . . . . D. J. Reid

Director of University Health Service
G. E. Wodehouse, M.C., M.D., F.R.C.P.
Assistant Director of University Health Service—Women
Miss F. H. Stewart, B.A., M.D.
Director of Athletics and Physical Education—Men . . W. A. Stevens, B.S.
Director of Athletics and Physical Education—Women . . Miss Z. Slack, B.A.
Director of the University of Toronto Press . . . . . M. Jeanneret, B.A.
General Secretary-Treasurer of the Students' Administrative Council
E. A. Macdonald, B.A.
Associate Secretary of the Students' Administrative Council
Miss A. E. M. Parkes, B.A.
Director of Hart House Theatre . . . . . R. S. Gill, M.A.
Director of the Placement Service . . . . . J. K. Bradford, O.B.E., M.A.Sc.

Ontario College of Education

Dean . . . . . A. C. Lewis, M.A., D.Paed.
Director of the Department of Educational Research
J. A. Long, B.A., Ph.D.
Supervisor of Graduate Students . . . . . C. E. Phillips, M.A., D.Paed.
Director of the Vocational Guidance Centre . . . . . M. D. Parmenter, M.A.
Director of the Department of Vocational Training and Industrial Arts
R. D. Phillips, B.Sc.
Supervisor of Practice Teaching . . . . . D. F. Dadson, B.A.
Supervisor of Women Students . . . . . Miss Helen B. St. John, M.A.
Secretary . . . . . Miss A. A. L. Elliott, B.A.

Note.—Communications to the Ontario College of Education should be addressed to the Secretary, Ontario College of Education, 371 Bloor Street W., Toronto 5.

CALENDAR 1955

Jan.

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April

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CALENDAR 1956

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THE ONTARIO COLLEGE OF EDUCATION

Courses in Education

GENERAL INFORMATION

In its courses in education the Ontario College of Education trains candidates for certificates as teachers and in particular for Provincial certificates as teachers of Art, Home Economics, Physical Education, Vocal Music, Instrumental Music, Commercial Subjects, Vocational Education, Industrial Arts, as High School Assistants and as teachers of public and separate schools. It also offers courses leading to the B.Ed., M.Ed., Ed.D., M.A., and Ph.D. degrees.

The buildings of the Ontario College of Education on Bloor Street contain lecture-rooms, laboratories, and reading-rooms for the accommodation of the students, and model class-rooms for observation and practice-teaching. So far as necessary the observation and practice-teaching are supplemented by observation and practice-teaching in schools in and near the City of Toronto.

While the chief exercises of the Ontario College of Education will be conducted in the buildings on Bloor Street, the students in Education may use the University's library, gymnasium, and athletic fields, and Hart House, under such conditions as obtain with other students. They will also be admitted free to the Royal Ontario Museum, Bloor Street, and to the Toronto Art Gallery, Dundas St., from 9 a.m. to 5 p.m., on presentation of their registration cards.

BOARD AND LODGING

The Secretary of the Ontario College of Education will forward lists of boarding-houses on request.

COURSES AND CERTIFICATES

1. (1) The following courses are offered:

(*a*) Courses for Interim High School Assistants' certificates, Type B; Interim High School Assistants' certificates, Type A,[1] including Physical Education, Art, Instrumental Music, and Vocal Music;[2] Interim Elementary-School Teachers' certificates;[3] Interim Elementary certificates in Art; Interim Elementary Type A certificates in Physical Education, Industrial Arts,[3] Instrumental Music, and Vocal Music; Interim Inter-

[1]See Section 18 (1).

[2]The courses leading to High School Assistants' certificates, Type A, in Physical Education, Art, Instrumental Music and Vocal Music are open only to those who qualify under Section 26.

[3]This course may not be completed in the regular College session but requires a subsequent summer session before the candidate will be recommended for the certificate.

mediate certificates in Home Economics; Interim Elementary Commercial certificates; Interim Vocational certificates; and for Intermediate and Specialist certificates in Industrial Arts.

(*b*) Course for the degree of B. Ed.

(*c*) Courses under the School of Graduate Studies for the degrees of M.A., M.ED., Ed.D. and Ph.D.

(2) High School Teachers' Certificates.[1]

(*a*) Grades of Certificates:

The following grades of certificates qualify the holders for teaching in High Schools and Collegiate Institutes:

(i) An Interim High School Assistant's certificate, Type B, which qualifies the holder for two years as an Assistant.

(ii) A Permanent High School Assistant's Certificate.

(iii) An Interim High School Assistant's Certificate, Type A, which qualifies the holder for two years as an Assistant and as the head of a department in a Collegiate Institute.

(iv) A High School Specialist's Certificate.

(v) A High School Principal's Certificate.

(*b*) Requirements for the above Certificates:

(i) For an Interim High School Assistant's Certificate, Type B: The completion of the professional course of training for this certificate at the Ontario College of Education.

(ii) For a Permanent High School Assistant's Certificate: The Interim High School Assistant's Certificate, Type B, and two years' successful teaching experience in Ontario in a secondary school or in Grades IX or X of a Public or Separate School.

(iii) For an Interim High School Assistant's Certificate, Type A: The completion of the professional course of training for this certificate at the Ontario College of Education.

(iv) For a High School Specialist's Certificate: An Interim High School Assistant's Certificate, Type A, and two years' successful teaching experience in Ontario in the subject or subjects covered by the Interim High School Assistant's Certificate, Type A.

(v) For a High School Principal's Certificate: For this information consult the regulations of the Department of Education.

(*c*) The holders of Interim High School Assistants' Certificates, Type B, or Permanent High School Assistants' Certificates may secure Interim High School Assistants' Certificates, Type A, under the conditions outlined in Section 17 of this calendar.

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[1]For certificates in Vocational Training and in Industrial Arts, see Section 79.

SESSION

2. (1) Enrolment will take place and the medical examination will begin at 9 a.m., Tuesday, September 20th. The Autumn Term will end December 16th, at 5 p.m., and the Winter Term will begin January 2nd at 9 a.m. The Spring Term will begin April 9th and end May 25th.

HIGH SCHOOL ASSISTANTS' SUMMER COURSES

1955 and 1956

(2) (*a*) From June 20, 1955, to August 26, 1955, a summer course will be held, leading to a Letter of Standing. The Letter shall be valid for the school year 1955–56. The holder of such a Letter may secure an Interim High School Assistant's Certificate, Type B, by attending, on the recommendation of the Principal and High School Inspector concerned, a second summer course from July 2, 1956, to August 3, 1956, and by passing the examinations of that course.

(*b*) A candidate for admission to the course leading to a Letter of Standing must fulfil all the conditions of admission to the course for the Interim High School Assistant's Certificate, Type B (Section 9), and must also submit evidence that he has accepted a contract offered by a Board for the ensuing school year for a position which has been advertised after April 1 and for which no fully quafied applicant is available. Applications should be made to the Secretary, Ontario College of Education, Toronto, as soon as the candidate is under contract to teach.

(*c*) Medical examinations will begin at 9.00 a.m. on June 20th.

(*d*) Tuition fee for the summer session 1955, to be paid to the Chief Accountant of the University on the opening day of the session, $180; tuition fee for the second summer course 1956, to be paid to the Chief Accountant of the University, $25. These fees include medical and examination fees. None of the incidental fees required of students in the regular session shall be required of students in these summer sessions.

(*e*) No supplementary courses (Section 22) or Type A Courses (Section 17) shall be offered in these summer sessions 1955 and 1956, but instruction in teaching the subjects of Grade XIII shall be provided for those deemed by the Dean and Council of the College to be capable of profiting by such instruction.

DUTIES OF STUDENTS

3. (1) Regular attendance on the part of candidates for Provincial certificates is indispensable, except for such as are exempt from attendance under the regulations of the Department of Education, and for such as are permitted by the Dean to act, after Christmas, for not more than a total of one fortnight, as substitute teachers in the schools of Ontario.

(2) Students whose class-work shows them to be unduly deficient in scholarship, or whose conduct, attendance or progress is unsatisfactory, may be dismissed from attendance by the Dean at any time during the session.

(3) On the Dean's report to the Minister of Education as to the physical unfitness of a student for training for a Provincial certificate as a teacher, the Minister may require a special medical examination of such student, and, as a result thereof, may direct that his registration for such training be cancelled.

(4) Various religious, athletic, literary and dramatic associations are formed each session. For professional improvement all students shall share in the activities of the literary and dramatic associations.

FEES

4. (*a*) For Intramural Students:

High School Assistants' Course, Type B, One-Year Intermediate Home Economics Course, and Vocational Training and Industrial Arts courses.

*Academic Fee	†Incidental Fees	Total Fee (if paid in one instalment)	First Term Instalment due Sept. 20	Second Term Instalment due Jan. 20
		Men		
$180	$35[1]	$215	$135	$80
		Women		
$180	$20[1]	$200	$120	$80

Notes: 1. The Academic Fee (which includes the examination and University Library fees) and the Incidental Fees are to be paid to the UNIVERSITY OF TORONTO. After January 20th, an additional deferred payment fee of $1 per month shall be imposed until the whole amount is paid.

2. A College Library deposit of $1 is to be paid at the College.

3. There is no additional fee for a High School Assistants' course, Type A, or for a Supplementary course when taken concurrently with the High School Assistants' course, Type B.

(*b*) For Extramural Students:

Fee for the final examinations of the High School Assistants' course, Type B, which includes the fee for the final examinations of the High School Assistants' course, Type A, if taken concurrently..... $20.00

*The fee is the same for the regular College Session as for the Session after Christmas.

†These Incidental Fees include the following fees:—

For men—Hart House; Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

For women—Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

[1]A student who holds an Ontario teaching certificate will pay $33 or $18, as the case may be, because he or she will not be required to take a medical examination.

Fee for the final examinations of the High School Assistants' course, Type A, if taken in a different Session from the final examinations of the High School Assistants' course, Type B	8.00
Fee for examination in one subject of any course when repeated in a subsequent Session	4.00

5. (1) FINAL EXAMINATIONS

No candidate will be permitted to take more than twice any final examination, or part thereof, for any certificate listed in this calendar.

(2) APPEALS

The answer papers of the final examinations of all unsuccessful candidates for Provincial certificates are re-read by the examiners, and the results of the first reading reconsidered before a decision to reject is reached. Despite this fact any unsuccessful candidate may have his case considered a third time if within two weeks after the announcement of the results he lodges with the Minister of Education his appeal, with a statement of the grounds on which it is based, and with a fee of $2.00. The fee will be refunded if the appeal is sustained.

6. SCHOLARSHIPS AND PRIZES[1]

NOTE

On account of the continued tendency towards lower rates of interest, it is possible that the value of certain endowed scholarships and prizes at the time of payment may prove to be less than the amount stated in the calendar.

In those cases where the amount of the award is not payable from income earned on an endowed fund, payment will be dependent on the receipt of the amount of the annual award from the donor.

THE HUGH W. BRYAN MEMORIAL SCHOLARSHIP OF THE ONTARIO SECONDARY SCHOOL TEACHERS' FEDERATION

(1) The Ontario Secondary School Teachers' Federation has founded an annual scholarship of the value of the interest on $2,000 in memory of a former President of the Federation, Dr. Hugh W. Bryan. This scholarship will be awarded by the Bryan Memorial Scholarship Committee of the Federation, at the close of each session and after the receipt of a report from the Council of the College of Education, to the student in regular attendance throughout the session in the High School Assistants' Course who has shown "the most outstanding qualities of scholarship, teaching ability, and character."

THE LAURA L. OCKLEY SCHOLARSHIP IN HOME ECONOMICS

(2) Former students of Miss Laura L. Ockley, who was in charge of the training of Home Economics teachers in the University of Toronto from 1912 to 1943, have founded in her honour an annual scholarship of the value of $100. This scholarship will be awarded at the close of the session to a student in regular attendance in the High School Assistants' course, Type A, in Home Economics, or in the Intermediate Home Economics course, who has shown the most outstanding qualities of "scholarship and teaching ability in Home Economics and leadership in human relations." Awards over a period of years will be made to students of the High School Assistants' course, Type A, in Home Economics, and of the Intermediate Home Economics course in proportion to the registration in these courses during that period.

THE PAKENHAM MEMORIAL PRIZE

(3) As a memorial to Dr. William Pakenham, Dean of the Ontario College of Education from 1907 to 1934, the teachers of Ontario have founded an annual Memorial Prize of the value of the interest on $1,000. The Prize will be in the form of books stamped with the Coat of Arms of

[1]Only one scholarship or prize shall be awarded to any one student.

the University of Toronto, and will be awarded to the student who obtains the highest standing, as reported in the annual returns of the College, in the subjects of Part I of the High School Assistants' course, Type B, and in Practice Teaching.

THE WILLIAM PAKENHAM FELLOWSHIP IN EDUCATION

(4) The late William Pakenham bequeathed to the University of Toronto the residue of his estate to be used as the governing body of the University may direct in behalf of the activities of the Ontario College of Education.

Accordingly a Fellowship in Education has been established for advanced work either in the University of Toronto or in some other university approved by the Senate. The Fellowship shall be awarded at such intervals and have such value (not to exceed $3,000) as the Senate, on the recommendation of the Council of the Ontario College of Education, may from time to time determine. Applicants must be residents of Ontario, holding a Bachelor's degree, a teacher's certificate valid in a Canadian province, and must submit a record of professional experience and evidence of ability to make a contribution to education in Canada as a result of further work.

Applications shall be made on or before March 1st to the Secretary, Ontario College of Education.

THE JOHN THOMAS CRAWFORD MEMORIAL SCHOLARSHIP

(5) Mrs. J. T. Crawford has established an annual scholarship of $150.00 in the University of Toronto in memory of her husband, the late Professor John Thomas Crawford.

The scholarship, known as the John Thomas Crawford Memorial Scholarship, will be awarded to the candidate in the honour course in Mathematics and Physics in the University of Toronto who stands highest in the final examinations of the fourth year among those who proceed to the Ontario College of Education. The Scholarship will be paid on the successful completion of the fall term of the College of Education.

If no graduate of the Mathematics and Physics course attends the College the highest qualified candidate from the Physics and Chemistry course or from the Engineering Physics course, taken in that order, will be awarded the scholarship when other conditions are satisfied.

7. DOMINION-PROVINCIAL STUDENT-AID BURSARIES

Bursaries may be awarded to students in financial need who are resident in Ontario and who are in attendance at the University of Toronto. Further information may be obtained from the Secretary of the Faculty.

8. (1) HART HOUSE

All men students are required to become members of Hart House. The purpose and the conditions of this membership are defined in a bulletin to be distributed at the time of registration.

8. (2) UNIVERSITY HEALTH SERVICE

Information about this service may be obtained at registration.

COURSE FOR THE INTERIM HIGH SCHOOL ASSISTANT'S CERTIFICATE, TYPE B

CONDITIONS OF ADMISSION

9. (1) Except as provided in (2) and (3) below, an applicant for admission to the course for an Interim High School Assistant's certificate, Type B, shall make application not later than August 31st, to the Secretary of the Ontario College of Education on an official form to be obtained from the Secretary, and should submit with this application, also on official forms which will be supplied by the Secretary:

(*a*) A certificate of birth. An applicant must be at least 20 years of age before October 1st of the year in which he applies for admission.

(*b*) A certificate from a clergyman or other competent authority that he is of good moral character.

(*c*) A certificate of successful vaccination.

(*d*) A certificate from a competent authority that he is a British subject.

(*e*) His certificate of graduation as Bachelor or Master of Arts, Bachelor or Master of Science, Bachelor of Commerce, Bachelor of Science in Agriculture, Bachelor of Applied Science, Bachelor of Household Science, Bachelor of Music[1] or Bachelor of Physical and Health Education, from a British university, after a regular university course approved by the Minister of Education as to admission requirements and as to content of the undergraduate courses.

(2) Before the final admission, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 20th, and shall hold themselves in readiness to appear for subsequent further examination as required. *Students are required to be in continuous attendance at the College during the period of the medical examination, September 20th to 24th.*

(3) No candidate will be admitted whose Ontario teaching certificat e has been cancelled or suspended.

(4) Before the final admission, an applicant must also be approved by a Selection Committee consisting of at least three members of the College Staff and a member of the Ontario Secondary School Teachers' Federation, all of whom shall be appointed by the Dean.

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[1]This refers to the degree in the course in School Music of the University of Toronto introduced in 1946.

(5) In the event of the rejection of an applicant in consequence of the medical examination or by the Selection Committee, and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

(6) An applicant for admission to this course who is not a candidate for the certificate of the Ontario Department of Education must comply with such conditions of admission as the Council of the Ontario College of Education may determine.

(7) Applications for admission to the examinations by students not in attendance at the regular session should be made, at least one month before the examinations begin, to the Secretary of the Ontario College of Education, University of Toronto, on an official form to be obtained from the Secretary.

10. TEXT-BOOKS

The text-books for the academic work are those prescribed for the High Schools of Ontario in each subject of the student's course.

For Observation and Practice-teaching students should supply themselves with copies of all necessary school text-books.

11. PROGRAMME OF STUDIES

(1) The course of training for the Interim High School Assistant's certificate, Type B, consists of two parts as follows:

Part I: (*a*) General professional courses, including an Introduction to Education, Educational Psychology, and School Management and Law.

(*b*) Courses in methods of teaching any *two* [1, 2] of the following:

English
Geography and History
Mathematics
Science
Latin
French
German
Greek
Spanish
Italian

[1]Candidates for High School Assistants' certificates, Type A, as defined in section 18 (1), in selecting their subjects from (*b*) above, must include the corresponding subject or subjects of the High School Assistants' course, Type A.

[2]German, Spanish, Greek and Italian may be chosen only by candidates for the High School Assistants' certificates, Type A, except by permission of the Dean.

Part II: Observation and Practice Teaching.

(2) Students in attendance in the High School Assistants' course, Type B, may take also, if they possess the required qualifications, a High School Assistant's course, Type A, and a Supplementary course.

(3) Diction and Voice Production.

At the beginning of the session the short course of lectures on Diction and Voice Production mentioned in Section 63 will be given. These lectures will be supplemented by corrective work with students whose need in this respect is revealed in their practice-teaching. Students requiring speech correction may be withdrawn by the Dean from their supplementary courses for this remedial work.

ORGANIZATION OF COURSE

12. (1) The instruction in the special methodology of the subjects of the High School courses shall be accompanied by a review from the academic standpoint of such portions of each subject as may be necessary to determine the scholarship of the students and to illustrate the methods of instruction in that subject, dealing in particular with those parts of the course that are difficult of presentation.

(2) The following introductory work shall be taken up at the beginning of the session:

(*a*) A brief course in the General Method of the Recitation as a preliminary to Observation and Practice-teaching.

(*b*) Supervised Observation and Practice lessons in High School grades. Students shall be notified of the subject and scope of each Observation lesson, and should prepare the lesson beforehand. After observing the lesson they shall discuss it with the teacher or lecturer concerned.

(3) The introductory course defined in (2) above shall be followed by systematic Observation and Practice-teaching, under the general supervision of the lecturers in the Ontario College of Education.

The Observation work shall begin in the third week of the session, and the Practice-teaching in the fifth week. Exclusive of the introductory work, the programme of instruction shall include for each student at least 25 full days of Observation and Practice-teaching. This number may be increased to meet the needs of individual students.

(4) (*a*) The Observation and Practice-teaching for each student shall be arranged to represent as far as practicable the work in all grades of the Lower, Middle, and Upper Schools of the High Schools.

(*b*) From time to time, throughout the College session, students shall be excused from the regular College exercises, and shall be assigned to approved practice-schools for continuous periods of Observation and Practice-teaching. For part of each of these periods of continuous practical work the student shall be wholly responsible for the management of his class.

(5) Students shall be notified of the subject and the scope of each Practice-teaching lesson required and shall prepare a plan of each Practice-teaching lesson for submission to the teacher.

(6) (*a*) The lecturers of the Ontario College of Education shall develop the details of their subjects in the teaching order, and, after each suitable step, model lessons will be taught in special classes and in the practice schools.

(*b*) From time to time, the lecturers of the Ontario College of Education shall be present at the Observation lessons and Practice-teaching of the students and shall join in the criticism and valuation of their work.

EXAMINATIONS

13. (1) The final standing of students in attendance shall be determined by the combined results of the sessional records and the records of the final examinations in the subjects of Part I, and by the results of the records of the Observation and Practice-teaching of Part II.

(2) The sessional records represent oral and written exercises, practical work, practice in making examination papers, and in valuing the answer-papers of pupils, and written examinations which shall test in particular the academic scholarship of the candidates.

(3) At the final examinations in Part I, each paper in the academic subjects shall contain questions in methodology, which shall test also the candidate's academic knowledge and, if his sessional records and his answers to these questions show that his academic knowledge is defective, he shall be rejected on this ground alone.

(4) No student in Science or in Modern Languages shall be recommended for a certificate who is not awarded 50% of the marks assigned to laboratory practice in Science or to the oral practice in the Languages.

(5) The maximum marks assigned to each subject in Part I shall be 100. In all subjects a maximum of 40% of the marks shall be assigned to the sessional records and 60% to the final written examinations.

(6) A maximum of 800 marks shall be assigned to Practice-teaching and of 300 to Observation. The standing of the student in Observation and in Practice-teaching shall be based upon his sessional records in the lessons following those which form part of the introductory courses.

CERTIFICATES

INTRAMURAL CANDIDATES

14. (1) A student who obtains 50% of the marks in each of the required subjects of Part I and 60% of the aggregate of the marks in each of the divisions of Part II, may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim High School Assistant's certificate, Type B.

(2) A student who passes in Part II and fails in not more than one of the required subjects of Part I will be exempted from further attendance.

(3) All other students who have failed to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

EXTRAMURAL CANDIDATES

15. (1) (*a*) Candidates who are exempted from attendance at the Ontario College of Education, as provided in Section 15 (2), may complete their standing for a certificate by re-writing, at an annual examination, the examination in the subject in which they failed.

(*b*) Candidates who failed at an examination under former Regulations and who were exempted from subsequent attendance at the Ontario College of Education shall take, not later than a date determined in each case by the Minister of Education, the final examination papers as prescribed herein but their standing shall be determined in the subjects as constituted under the regulations in force when they first wrote.

(*c*) Candidates who have been exempted by the Minister of Education from attendance at the Ontario College of Education because they hold Permanent First Class[2] certificates issued on the completion of a second session of attendance at a Provincial Teachers' College, or because they hold Permanent First Class[2] certificates and for at least the last two years of their teaching experience have been graded better than "Average" by the Inspectors on the Teachers' Record Cards, and who are required to write on the final examinations of the Ontario College of Education shall present to the College, on or before February 15th of the year in which they write the final examinations of the High School Assistants' course, Type B, evidence of graduation as required by Section 10 (1) (*e*)[1]; they shall take the prescribed final examinations in the subjects of Part I, and shall also satisfy the examiners that they are competent to teach efficiently the subjects of the High School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

(2) The pass standard for candidates exempt from attendance shall be the same as that for candidates in attendance, as required by Section

[1]From candidates exempted from attendance by the Minister, the College will accept in lieu of the actual certificate of graduation, an official statement from the candidate's university that the candidate has completed the work for the degree on or before February 15th of the year in which he presents himself to write the final examinations of the College, and that he will receive the degree at the next regular Convocation of his university.

[2]Now called the Elementary-School Teacher's certificate.

15 (1), but no allowance shall be made for sessional work, if any, in the case of candidates not in attendance.

(3) (*a*) Candidates exempt from attendance at the Ontario College of Education under (1) (*c*) above or (4) (*a*) below shall take their practical tests in Part II at such times during the session as may be agreed upon with the examiners, but not later than May 1st. They shall take their examinations in the subjects of Part I at one annual examination at the close of the session on dates to be determined by the examiners.

(*b*) Candidates exempt from attendance may take their written examinations in Part I at the Ontario College of Education, Toronto, or at one of the Provincial Teachers' Colleges outside of Toronto or, in the case of candidates who live in Provincial Districts, at approved local centres where inspectors of schools are available as presiding officers.

(*c*) Candidates exempt from attendance shall take their practical tests at the Ontario College of Education, Toronto, or, in special cases, at local centres under the supervision of the visiting Provincial Inspector. The conditions that determine these cases may be learned from the Ontario College of Education on application at the beginning of the session. A candidate who has failed in the practical tests at the Ontario College of Education or under a Provincial Inspector shall not be admitted to a second practical test during the same College session.

(4) (*a*) Candidates who have fulfilled the requirements for admission to the High School Assistants' course, Type B, and (i) who hold Ontario First Class[2] certificates issued on the completion of one session of attendance at an Ontario Teachers' College and have had at least three years of successful teaching experience[1] in the Public, Separate, or Continuation Schools of Ontario, or (ii) who hold Permanent Second Class certificates issued on the completion of one session of attendance at an Ontario Teachers' College and have had at least six years of successful teaching experience in the Public or Separate Schools of Ontario, or (iii) who hold Permanent Second Class certificates issued on the completion of a second session of attendance at an Ontario Teachers' College, or (iv) who hold interim Vocational certificates and have had at least two years of successful teaching experience in the Vocational Schools of Ontario, shall be exempted from attendance at the Ontario College of Education but shall attend the Summer course for a High School Assistant's certificate, Type B, conducted by the Department of Education, and shall take the final examinations of the Summer course in the prescribed subjects of Part I. They shall also satisfy the examiners that they are competent to teach efficiently the subjects of the High School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continua-

[1]Service personnel may count a year of service for a year of teaching experience, up to a maximum of two years, but *such candidates will be required to take a practical test in teaching.*

[2]Now called the Elementary-School Teacher's certificate.

tion Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

(*b*) A candidate who has been duly admitted to the Summer Session for the High School Assistant's certificate, Type B, who attends throughout the session, and who successfully passes the examinations at the close of the session, may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim High School Assistant's certificate, Type B. The recommendation, however, will be withheld until the candidate has satisfied the examiners as indicated in (4) (*a*) above that he is competent to teach efficiently the subjects of the High School courses.

(*c*) Candidates who have obtained Interim Vocational certificates by attendance at the Ontario Training College for Technical Teachers or the Ontario College of Education, and who in addition to the practice teaching lessons required for a Vocational certificate, have taught to the satisfaction of the staff of the Ontario College of Education, at least ten lessons in academic subjects (English, Mathematics and Science) shall be exempted from the practical test in teaching.

(*d*) Candidates who have attended the Summer Course or have been exempted from attendance under (i) (*c*) above, and who fail in one or more of the various tests prescribed for an Interim High School Assistant's certificate, Type B, may complete their standing for said certificate under the following conditions: (i) candidates who fail in the practical test in teaching shall be admitted to a second test in a subsequent College Session; (ii) candidates who fail in more than one subject of Part I shall rewrite at one annual examination of the College Session the examinations in all prescribed subjects of Part I; (iii) candidates who fail in not more than one subject of Part I may rewrite at an annual examination of the College Session, the examination in the subject in which they failed; (iv) candidates who do not pass the final examinations of the Summer Session will be required to take the final examinations of the regular College Session within three years of having attended a Summer Session in this course, or must re-attend the Summer Session in order to be eligible for admission to the examinations for an Interim High School Assistant's certificate, Type B.

(*e*) Other candidates who hold an Ontario First[2] or Second Class certificate with the academic standing required for admission to the High School Assistants' course, Type B, shall be exempted from attendance during the Autumn term[1]; but shall take all sessional tests held in the Winter and Spring terms and all the final examinations prescribed for Part I and shall also satisfy the examiners by practical tests that they are able to teach the subjects of the High School courses.

[1]Application for admission to the College at the beginning of the second term in January should be made not later than December 1st. Enrolment in January may be limited according to the available accommodation.

[2]Now called the Elementary-School Teacher's certificate.

LETTER OF STANDING

16. (1) Candidates who have fulfilled the requirements for admission to the Course leading to the Interim High School Assistant's certificate, Type B, and who are exempted by the Minister of Education from attendance at the Ontario College of Education on account of equivalent training in other provinces of Canada or in other countries of the British Commonwealth of Nations, may be granted a *Letter of Standing* by the Minister valid, for not more than one year from the date of issue, in a secondary school, or in Grades IX and X of an elementary school.

(*a*) Before being granted a *Letter of Standing* an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education.

(*b*) Before being granted a *Letter of Standing* an applicant must submit a certificate from a competent authority that he is a British subject.

(2) On the statement of the Principal that the candidate has taught successfully for one year under the authority of a *Letter of Standing*, he may be recommended by the Inspector concerned for the Interim High School Assistant's certificate, Type B.

COURSES FOR INTERIM HIGH SCHOOL ASSISTANTS' CERTIFICATES, TYPE A

CONDITIONS OF ADMISSION

17. (1) Applicants for admission to the courses for Interim High School Assistants' certificates, Type A, or to the final examinations for said certificates, shall also be applicants for admission to the course for the Interim High School Assistant's certificate, Type B, or shall be applicants for admission to the examinations therefor without attendance throughout the session, or shall already hold High School Assistants' certificates. No candidate will be awarded an Interim High School Assistant's certificate, Type A, or receive credit towards said certificate *before* he has been awarded an Interim High School Assistant's certificate, Type B.[1]

(2) A candidate for an Interim High School Assistant's certificate, Type A, who is also a candidate for admission to the course for an Interim High School Assistant's certificate, Type B, shall comply with the conditions for admission prescribed for candidates for the Interim High School Assistant's certificate, Type B, and shall submit evidence of standing not lower than 66% in the final or graduation courses approved by the Minister of Education.

(3) The applicant whose standing is below 66% but not lower than 60% in these approved courses will be admitted to the final examinations leading to the Interim High School Assistant's certificate, Type A, on submitting evidence from the Principal and High School Inspector of at least five years' teaching experience, graded better than average, in a High School, Collegiate Institute or Vocational School of Ontario subsequent to obtaining the academic standing referred to above.

[1]See Section 1 (2).

COURSES[1]

18. (1) Courses shall be offered for Interim High School Assistants' certificates, Type A, in Agriculture, Classics, English, English and French, English and German, English and Latin, English and Spanish, Geography, History, French and German, French and Italian, French and Spanish, Latin and French, Latin and Greek, Mathematics, Mathematics and Physics, Science, Physics and Chemistry, Physics and Biology, Chemistry and Biology, and Home Economics.

(2) Courses shall also be offered leading to Interim High School Assistants' certificates, Type A, in Physical Education, Art, Instrumental Music, and Vocal Music, under the conditions defined in Section 26.

(3) Each Type A course shall consist of at least the equivalent of two seminar-periods per week throughout the Session and of special Observation and Practice-teaching in the subjects in which the candidate is an applicant for a High School Assistant's certificate, Type A.

TEXT-BOOKS

19. Students in the courses for High School Assistants' certificates, Type A, shall supply themselves with such text-books as may be recommended by the instructors.

EXAMINATIONS

20. (1) Subject to the condition that no student may be awarded an Interim High School Assistant's certificate, Type A, who does not already hold or is not also awarded an Interim High School Assistant's certificate, Type B, the final standing of students in attendance in the High School Assistants' courses, Type A, shall be determined by the records of the Practice-teaching in the department or subject concerned, and by the combined results of the sessional records and the records of the final examinations in the same department or subject. The sessional records represent oral and written exercises, practical work, practice in preparing examination papers, and in valuing the answer-papers of pupils, and such term work as the instructors may prescribe. The records of the final examinations shall be based upon two examination papers taken in each department at the close of the session. The maximum marks represented in the Practice-teaching shall be 100; in the sessional records 40; and in the final written examinations of the department or subject 60.

(2) The final standing of students not in attendance shall be determined by the final written examinations and by teaching in the department concerned. For this purpose the maximum of marks in each case shall be 100.

CERTIFICATES

21. (1) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A,

[1]See footnotes 1, 2, page 16.

referred to in Section 18 to students in attendance who have fulfilled the conditions of the course for the Interim High School Assistant's certificate, Type B, and in their High School Assistants' course, Type A, have obtained (*a*) 66% of the aggregate of marks represented in the sessional records and the records of the final examinations and (*b*) 66% of the marks assigned to the Practice-teaching.

(2) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A, of Section 18 (1) to students exempt from attendance who hold or are awarded High School Assistants' certificates, who are duly qualified for admission to a High School Assistants' course, Type A, and who obtain 66% of the marks assigned to the written examinations and to the Practice-teaching, respectively, in the High School Assistants' course, Type A, concerned.

(3) Students who are awarded Interim High School Assistants' certificates, Type A, in Home Economics under (1) and (2) above and who hold or obtain First[1] or Second Class certificates may have their High School Assistants' certificates, Type A, endorsed as valid in the Home Economics departments of the Public and Separate Schools.

(4) (*a*) For students not in attendance the written examinations in the courses for Interim High School Assistants' certificates, Type A, of Section 18 (1) will be held at the close of the session at such centres and under such conditions as are set out in Section 16 (3).

(*b*) For students not in attendance the practical examinations shall be held at the Ontario College of Education, Toronto, or at local centres as prescribed in Section 15 (3).

SUPPLEMENTARY COURSES[2]

22. Students in attendance in the High School Assistants' course, Type B, may take also *one*[3] of the following Supplementary courses:

I. Course for the Elementary Physical Education certificate, Type A.
II. Course for the Elementary Art certificate.
III. Course for the Elementary Vocal Music certificate, Type A.
IV. Course for the Elementary Instrumental Music certificate, Type A.
V. Course for the Elementary Commercial certificate.[4]
VI. Course for the Elementary Industrial Arts certificate, Type A.[5]
VII. Course for the Intermediate Home Economics certificate.[6]
VIII. Course for the Interim Elementary-School Teacher's certificate.

[1]Now called the Elementary-School Teacher's certificate.

[2]Students taking the High School Assistants' courses, Type A in Physical Education, Art, Vocal Music, Instrumental Music, or Home Economics are responsible for the Elementary course, or in the case of Home Economics the Intermediate course, in these subjects and may not take a supplementary course in another field.

[3]Any student may, with the approval of the instructor, take the Ele-

Within one month of the beginning of the above Supplementary courses, the student shall satisfy the instructor of the Supplementary course he has chosen that he is adapted to the study of the course, or his registration in the Supplementary course shall be cancelled.

23. (1) The subjects of supplementary courses I-VIII shall be those set forth in Sections 52-62 and 31, respectively. Observation and Practice-teaching are obligatory in each of these supplementary courses.

(2) Students in supplementary courses I-VIII shall supply themselves with such text-books and equipment as may be recommended.

EXAMINATIONS OF SUPPLEMENTARY COURSES I-VII[7]

24. (1) PHYSICAL EDUCATION:

Practical Tests:

FOR WOMEN: Gymnastics, Games, Rhythmics.

FOR MEN: Basic Drill, Gymnastics, Apparatus, Games, Swimming.

Fifty per cent of the marks in each of the practical tests shall be assigned to the sessional and fifty per cent to the final tests.

Written Examination:

Theory, Methods and Materials.

(2) ART:

Practical Tests:

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering.

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mentary courses in both Vocal Music and Instrumental Music.

[4]Admission to this course is restricted to students who submit evidence of having a satisfactory functional knowledge of the elementary principles of Bookkeeping, Shorthand and Typewriting, or of having successfully completed an approved course in Bookkeeping, Shorthand and Typewriting in a Vocational secondary school or at a university. A student who submits the required evidence with respect to *two* of the three subjects mentioned above may be allowed by the Dean to proceed with the course. A supplementary course for beginners in Bookkeeping, Shorthand, Typewriting and Penmanship is also open fo any one who wishes to commence the study of these subjects with the intention of continuing in commercial education. Upon the successful completion of the beginners' course, a subsequent Summer Session would be required to obtain the Elementary certificate.

[5]The Supplementary courses leading to the Interim Elementary-School Teacher's certificate and to the Interim Elementary Type A certificate in Industrial Arts may not be completed in the regular College session, but require one subsequent Summer session before the candidates will be recommended for the certificates.

[6]Admission to this course is restricted to students who submit evidence of graduation, with a standing not lower than 60% in the Home Economics of the final year from a University course approved by the Minister of Education in which, for at least the last two years of the course, Home Economics has been a regular subject of study.

[7]See Section 28 for Course VIII.

Written Examinations:

Theory and History of Art, Methods of Teaching Art.

(3) VOCAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Voice Training and Song Material, Conducting.

Written Examinations:

Rudiments of Music, Music Appreciation, Methods.

(4) INSTRUMENTAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Technical Training, Conducting.

Written Examination:

Methods.

(5) COMMERCIAL SUBJECTS:

Practical Tests:

Shorthand Practice, Typewriting, Penmanship.

Written Examinations:

Shorthand Theory, Bookkeeping, Methods.

(6) INDUSTRIAL ARTS:

Practical Tests:

Draughting, Woodworking, Sheet Metal Work, Machine Shop Practice.

Written Examination:

Methods of instruction and class organization of the General Shop.

(7) HOME ECONOMICS:

Practical Tests:

Meal Management; Care of the Home and Family; Clothing—Selection, Construction and Care.

Written Examination:

Theory and Methods. Parts I and II

CERTIFICATES FOR SUPPLEMENTARY COURSES I-VII[1,2]

25. (1) On the recommendation of the examiners the Minister of Education may grant an Elementary certificate in Art or an Elementary Commercial certificate or an Elementary Type A certificate in Physical

[1]The certificates which are mentioned herein are those valid for teaching in High Schools, i.e., in Physical Education, the Elementary Type A, and the Type A; in Vocal Music and Instrumental Music, the Elementary Type A, and the Type A; in Art, the Elementary and the Type A; in Industrial Arts, the Elementary Type A; in Home Economics, the Intermediate; and in Commercial Subjects, the Elementary.

[2]See Section 33 for Course VIII.

Education or Vocal Music or Instrumental Music or an Intermediate certificate in Home Economics, or standing in Part I of the course for the Elementary Type A certificate in Industrial Arts, as the case may be, to a student in the course for an Interim High School Assistant's certificate, Type B, provided that the said student is awarded an Interim High School Assistant's certificate, Type B, and obtains a minimum of 60% of the marks assigned to practice-teaching and (*a*) in Art or Physical Education or Industrial Arts a minimum of 50% of the marks assigned to each subject of the written examination and 60% of the marks assigned to each subject of the practical tests, or (*b*) in Commercial subjects a minimum of 50% of the marks assigned to each subject, or (*c*) in Vocal Music or Instrumental Music or Intermediate Home Economics a minimum of 60% of the marks assigned to each subject of the written examination and practical tests.

No student shall be recommended for a certificate or for standing in Art or Physical Education or Vocal Music or Instrumental Music or Industrial Arts or Home Economics or Commercial Subjects whose attendance or progress in any part of the course has been reported as unsatisfactory.

(2) The Dean shall investigate the claims of the candidates for the Elementary Type A certificate in Physical Education who report themselves as unable for physical reasons to take the course in swimming, provided that such claims are presented to the instructor on a form and after a manner defined by the Minister of Education. Candidates who are exempted by medical certificate from the course in swimming and candidates who have failed to obtain pass standing in the course in swimming may be awarded Elementary Type A Physical Education certificates endorsed "not including swimming".

(3) On the recommendation of the examiners, the Minister of Education may permit candidates in the supplementary courses I-VII who have been awarded Interim High School Assistants' certificates, Type B, and have obtained a minimum of 60% of the marks assigned to practice-teaching but have failed to obtain standing in their respective courses to complete their standing in said courses under the following conditions:

(i) In Physical Education or Industrial Arts or Home Economics, candidates who fail in the written examination, but pass in all the subjects of the practical tests may complete their standing by passing in the written examination at a subsequent examination without further attendance; candidates who pass in the written examination but fail in one or more of the subjects of the practical tests may complete their standing by passing in the subjects concerned at a subsequent Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(ii) In Art or Vocal Music or Instrumental Music, candidates who fail in not more than two subjects of the written and practical tests

may complete their standing by passing in the subjects concerned at a subsequent examination without further attendance, but in the subjects of the practical tests such candidates must try the tests conducted at the Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(iii) In the Commercial course, candidates shall be allowed credit towards an Elementary certificate in the subject or subjects in which they are successful.

COURSES FOR THE HIGH SCHOOL ASSISTANTS' TYPE A CERTIFICATES IN PHYSICAL EDUCATION, ART, VOCAL MUSIC, AND INSTRUMENTAL MUSIC

26. (1) Admission to the High School Assistants' course, Type A, in Physical Education as well as the Elementary course in Physical Education will be granted to students (i) who hold the degree of Bachelor of Physical and Health Education of the University of Toronto with a final standing not lower than 60%, or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and who hold the degree of Bachelor of Physical and Health Education of Queen's University with a final standing not lower than 60%, or (iii) who hold the degree of Bachelor of Arts of the University of Western Ontario obtained in the honour course[1] in Physical Health and Recreation Education, with a final standing not lower than 60%.

(2) Admission to the High School Assistants' course, Type A, in Art as well as the Elementary course in Art will be granted to students who hold the degree of Bachelor of Arts of the University of Toronto obtained in the honour course in Fine Art or in Art and Archaeology with a final standing of not lower than 66%.

(3) Admission to the High School Assistants' course, Type A, in Vocal Music[2] will be granted to students (i) who hold either the degree of Bachelor of Arts of the University of Toronto obtained in the honour course in Music or the Bachelor of Music degree of the University of Toronto obtained in the course in School Music,[3] with a standing of at least 60 per cent., or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the degree of Bachelor of Music of the University of Toronto obtained in the course in General Music, or (iii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the teacher's or performer's diploma of

[1]Graduates of this course with the Recreation option are not eligible for the Type A course in Physical and Health Education.

[2]Students of the Type A course in Vocal Music may, with the approval of the instructor, take the Elementary course in Instrumental Music.

[3]This refers to the degree in the course in School Music of the University of Toronto, introduced in 1946.

the Royal Conservatory of Music of Toronto, or the Special Music certificate of Queen's University, or the Associate (teacher's) diploma of the Western Ontario Conservatory of Music, or the Diploma of Music Graduate in Pedagogy of the University of Western Ontario.

Admission to the High School Assistants' Course, Type A, in Instrumental Music will be granted to students who hold the Bachelor of Music Degree of the University of Toronto obtained in the course in School Music[1]

27. Students admitted to the High School Assistants' course, Type A, in Physical Education, Art, Vocal Music or Instrumental Music under Section 26 shall supply themselves with such text-books and equipment as may be recommended by the instructors.

CERTIFICATES

28. (1) On the recommendation of the examiners, the Minister of Education may grant High School Assistants' certificates, Type A, in Physical Education, Art, Vocal Music or Instrumental Music to those admitted under Section 26 who fulfil the conditions stated in Sections 20 and 21 (1).

(2) Students who are awarded Interim High School Assistants' certificates, Type A, in Physical Education, Art, Vocal Music or Instrumental Music under Section 26 and who hold, or obtain, Second or First Class[3] certificates may also be awarded Supervisors' certificates valid in Public and Separate Schools.

COURSE FOR THE INTERIM ELEMENTARY-SCHOOL TEACHER'S CERTIFICATE[2]

The course is conducted in accordance with the conditions prescribed in the Regulations, Examinations and Courses of Study of the Ontario Teachers' Colleges. It may not be completed in the regular College session but requires a subsequent Summer Session before the candidates will be recommended for the certificate.

CONDITIONS OF ADMISSION

29. Applicants for admission to the course for the Interim Elementary-School Teacher's certificate or to the final examinations for said certificate shall comply with the conditions of admission and attendance prescribed for candidates for the Interim High School Assistant's certificate, Type B. No candidate will be awarded an Interim Elementary-School Teacher's certificate before he has been awarded an Interim High School Assistant's certificate, Type B.

[1]This refers to the degree in the course in School Music of the University of Toronto, introduced in 1946.
[2]Course VIII as listed in Section 22.
[3]Now called the Elementary-School Teacher's certificate.

TEXT-BOOKS

30. The text-books for the academic work of the course shall be those prescribed in each subject for the High, Public and Separate Schools.

PROGRAMME OF STUDIES

31. The course of training, which is supplementary to the course of training for the Interim High School Assistant's certificate, Type B, includes the following subjects some of which will be offered in the regular College session, the remainder in a Summer Session:

Part I: Educational Psychology; School Management; English, Part I; English, Part II; Mathematics; Social Studies; Science and Agriculture; Art; Music; Physical Education; Health; Industrial Arts.

In the development of the methodology of the course, emphasis shall be laid upon the correlation and integration of the subjects, and upon the importance of wholesome, vigorous, shared activities, directly connected with the learner's capacities and interests. The teacher's main function shall be represented as the stimulation and guidance of the learner, through the control of the regulating environment of the school; this postulates freedom and responsibility for the teacher and demands positive, definite teaching.

Part II: Observation and Practice-teaching—at least ten full days—to be conducted under conditions defined in Ontario Teachers' College courses for the Interim Elementary-School Teacher's certificate.

EXAMINATIONS

32. (1) Subject to the condition that no student may be awarded an Interim Elementary-School Teacher's certificate who is not also awarded an Interim High School Assistant's certificate, Type B, the final standing of the students in attendance in the course for an Interim Elementary-School Teacher's certificate shall be determined by the records of the Observation and Practice-teaching and by the combined results of the sessional records and the records of the final examinations in such course. Subject to the same condition, the final standing of candidates not in attendance shall be determined by the records of the final written examinations and of Practice-teaching.

(2) The examinations in the subjects of the course for an Interim Elementary-School Teacher's certificate shall be conducted, *pari passu*, in the terms and under the conditions set out in the Teachers' College Courses for the Interim Elementary-School Teacher's certificate.

CERTIFICATES

33. (1) (*a*) Subject to the conditions of Section 32 (1), and to the conditions defined in Ontario Teachers' College courses for the Interim

Elementary-School Teacher's certificate, a candidate who obtains 60% of the marks in each subject of the course and 60% of the aggregate of the marks in each of Observation and Practice-teaching may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim Elementary-School Teacher's certificate.

(*b*) Subject to the same conditions, a candidate who passes in Observation and Practice-teaching and fails in not more than two subjects shall be exempted from further attendance and may complete his course for an Interim Elementary-School Teacher's certificate by rewriting at one annual examination the examinations in the subject or subjects in which he failed.

(2) All candidates other than those referred to in (1) (*b*) above who have failed to obtain the necessary final standing will be required to attend such other sessions as the Minister may prescribe.

(3) Section 16 (1) (*a*), (*b*), (2) and (3) (*b*), which apply to the candidates for the Interim High School Assistant's certificate, Type B, who are exempt from attendance, shall apply also, *pari passu*, to candidates for the Interm Elementary-School Teacher's certificate who are exempt from attendance.

(4) The Regulations of the Department of Education respecting Permanent Elementary-School Teachers' certificates are contained in the Department's Circular No. 72. Holders of Interim Elementary-School Teachers' certificates obtained after training at the Ontario College of Education are referred to Regulations III (2).

DETAILS OF SUBJECTS

34. The details of the subjects of the courses for Interim High School Assistants' certificates, Types A and B, for Elementary certificates in Physical Education, for Elementary certificates in Art, for Elementary certificates in Instrumental Music and Vocal Music, for Intermediate certificates in Home Economics, and for standing in Elementary Industrial Arts, are set out below.

For the course for the Interim Elementary-School Teachers' certificate these details and subjects shall be supplemented by the details and subjects set out in the Teachers' College courses for the Interim Elementary-School Teachers' certificate.

INTRODUCTION TO EDUCATION

35. The nature, foundations and status of Educational Theory: historical review and consideration of purposes and aims of education.

The significance for modern educational thought and practice, of broadly distinctive schools of philosophy: survey of the values and practices

emphasized by outstanding educationists, particularly, but not exclusively, of the last two centuries.

Current educational thought: contemporary aims, problems and practices in education, with particular reference to secondary education.

School and society: relationship of school to the home and other educational agencies in the community.

EDUCATIONAL PSYCHOLOGY

36. (i) The psychology of adolescence.

(ii) The psychology of adjustment.

(iii) The mental health of the pupil and teacher.

(iv) The psychology of learning.

(v) Intelligence: individual differences.

SCHOOL MANAGEMENT AND LAW

37. School Management, School Organization, School Administration; aims and scope of each; relation of each to the teaching process.

The Ontario school system: Department of Education, and its organization and functions; local administrative units; school boards, their selection, organization and functions; types of schools; school finance and business administration; relation to other public services.

The High School plant: provision, maintenance, care and use; special accommodations; relation to community activities.

The High School curriculum: aim, structure and use; texts; extra-curricular activities.

The High School pupil: attendance, rights, duties, guidance.

The High School teacher: professional status; personal qualifications; training and certification; appointment, tenure, payment, superannuation; duties in relation to trustees, parents and other citizens; duties in relation to supervisors, colleagues and pupils; freedom and responsibility.

High School organization: admission, exclusion, classification, grading, promotion, tests of progress, records and reports, recommendations, staff-meetings, time-tables, supervised study, homework.

Supervision: inspectors, principals, heads of departments; their powers and duties.

Discipline: aim and scope; relation to methods of teaching; incentives; causes of disorder and inattention; methods of dealing with weaknesses and delinquencies.

School Law and Regulations: Public Health Acts and Regulations in so far as they refer to the duties of school boards, teachers and pupils.

ENGLISH

38. (1) *Literature.*—The place of literature in school courses; the principles followed in Ontario and elsewhere in arranging literature courses for schools; books suitable for intensive and extensive study in the various forms or grades of the school; class treatment of such types of literature as the short poem, the long narrative poem, the play, the essay, the short story, and the novel; examinations in literature; supplementary reading, its importance, selection of books, testing of reading.

The course in literature includes a consideration of the problems connected with the teaching of silent and expressive reading.

(2) *Composition.*—The aim in teaching composition; principles to be followed in arranging a course; the place of grammar and of rhetoric in the High School course; the use of models; choice and variety in subjects; assigning, valuing and correcting compositions; special problems of oral composition.

SEMINAR IN ENGLISH

For Type A candidates in English and, in part, English and French, and English and Latin.

39. A consideration of the following phases of the teaching of English: (*a*) courses of study, (*b*) presentation of difficult topics, (*c*) special methods of teaching.

SOCIAL STUDIES: GEOGRAPHY AND HISTORY

40. Place and objectives of the Social Studies in the secondary school curriculum; nature of Social Studies, Geography, and History, as subjects; course of study in the Intermediate and Senior Divisions in Ontario; demonstration and discussion of teaching procedures: planning a course of study; standards and examinations; books and other equipment.

41. SEMINARS IN GEOGRAPHY AND IN HISTORY.

For Type A candidates in Geography and in History.

Teaching and discussion of selected topics from the courses of study in the Senior Division; the role of the specialist teacher.

MATHEMATICS

42. *General Mathematics.*—The content and methodology of the courses for Grades IX and X, including commercial arithmetic and mensuration.

Algebra and Geometry.—The content and methodology of the Middle School courses prescribed in the "Courses of Study and Examinations of the High Schools, Collegiate Institutes and Continuation Schools."

SEMINAR IN MATHEMATICS

For Type A Candidates in Mathematics and, in part, Mathematics and Physics.

43. The seminar in mathematics will discuss methods in trigonometry and statics and the more advanced parts of Algebra and geometry; the order of presenting the parts of these subjects so as to secure the most logical and impressive relation among the parts; the relations of the subjects themselves; the place of the teacher in dealing with more mature minds; the history and development of such special topics as the algebraic equation, the vulgar and decimal fraction, loci, maxima and minima, the more difficult theorems on the conic sections; examinations in mathematics, their purpose, when they should be held, the character of the paper, methods of marking, making the classroom attractive with pictures and mathematical equipment, mathematical books to interest pupils and teachers, etc.

SCIENCE

44. *General Science.*—The content and methodology of the courses for Grades IX and X. Emphasis on the use of living specimens in the teaching of biology; other visual aids such as preserved specimens, diagrams, charts, models, photographs, lantern slides, films, microprojectors; laboratory classes; demonstration experiments; pupils' reports; classroom discussion in relation to experimental work.

Physics and Chemistry.—The content and methodology of the prescribed courses for Grades XI and XII. Methods of conducting laboratory classes; demonstration experiments; the care and use of equipment; development (inductively) of the laws of physics and chemistry.

SEMINAR IN SCIENCE

For Type A candidates in Science *or* Physics and Chemistry *or* Physics and Biology *or* Chemistry and Biology and, in part, Mathematics and Physics.

45. Methods of presenting the topics prescribed for study in Grade XIII physics, chemistry, and biology during the current year. The purchase, storing, maintenance and repair of apparatus; the organization of the science programme; science clubs; the keeping of living animals and plants. The seminars in each of physics, chemistry and biology are conducted separately.

SEMINAR IN AGRICULTURE

For Type A Candidates in Agriculture[1]

46. The History of agricultural education in the United States and Canada and particularly in Ontario: developments prior to 1904; develop-

[1]Candidates for the High School Assistant's certificate, Type A, in Agriculture shall take also the Science of the course for the High School Assistant's certificate, Type B.

ments since 1904; the influence of Departmental regulations, the Ontario Agricultural College, Summer Courses and various organizations in the development of agricultural education; the present regulations of the Department of Education and their relation to the teaching of Agriculture in the elementary and secondary schools and Teachers' Colleges; qualifications of teachers; relations of school boards and teachers; provisions for inspection and reports; elective courses, and vocational agricultural courses in secondary schools.

Equipment and methods; special equipment needed for agricultural topics; arrangement of laboratory and classroom; storage and care of apparatus; preparation of illustrative material and charts; the projection lantern; the moving picture machine; agricultural periodicals, reference books and other sources of information; the school garden, planning and care; beautification of school grounds; home projects and collections; planning of courses; types of lessons; use of illustrative material; correlation of the science subjects in courses in agriculture.

CLASSICS (LATIN AND GREEK)

47. The relation of method in teaching Latin or Greek to linguistic method in general; the effect of the object of teaching Latin or Greek upon the method in various departments, such as oral reading, grammar, translation, sight reading, and the literary or historical content; illustration of methods in typical lessons.

Pronunciation; oral reading, sight reading, and English translation as prescribed for the Lower and Middle Schools; general principles of word-structure and sentence-structure; word order; methods of teaching the parts of a lesson; topics of inflection and syntax as found in the Latin and Greek Books; special emphasis on difficult topics.

The course will stress oral practice in Latin.

SEMINAR IN CLASSICS

For Type A Candidates in Classics, Latin and Greek, and, in part, Latin and French, and English and Latin

48. In the seminar in Classics, the topics treated will be those which are germane to the teaching of the Latin and Greek authors and prose prescribed for study in the Upper School during the current year. These will include:

A study of adequate translation of the works of Latin and Greek authors.

Appreciation of the art of Horace, Virgil, Catullus, and Homer.

The Philosophy of Horace.

The legacy of Greece and Rome.

The teaching of the following metres: Hexameter, Elegiac, Sapphic, Alcaic.

The different types of poetry represented in the prescribed authors and the debt of English writers to classical originals.

The teaching of Latin continuous prose composition.

The morphology and syntax of Attic Greek together with a general treatment of the principles of Greek accent.

FRENCH, GERMAN, SPANISH OR ITALIAN

49. Pronunciation: Study of sounds and their spelling; phonetic symbols; devices for teaching; intonation exercises; dictation; singing.

Course of Studies in Grades IX and X: Introductory lessons, including conversational work for beginners; reading for comprehension; vocabulary building; conversation based on reading; paraphrasing; dictation; functional grammar, stressing the verb and pronoun.

Course of Studies in Grades XI and XII: Methods of conducting reading; increased emphasis placed on writing; grammar; translation from English into the foreign language; supplementary reading; testing.

Illustration of methods in typical lessons.

The course will stress oral practice in the foreign language.

SEMINAR IN MODERN LANGUAGES

For Type A Candidates in French and German *or* Spanish *or* Italian, and in part, Latin and French, English and French *or* German *or* Spanish.

50. In the seminar in Modern Languages, stress will be laid upon methods of presenting the work to be studied in Grade XIII during the current year.

Topics treated will include: Teaching of advanced grammar and prose composition; correction of written work; conducting of reading lessons; sight reading; supplementary reading; free composition; conversation; making of examinations; use of dictionaries and books of reference.

SEMINAR IN HOME ECONOMICS

(For Type A Candidates)

51. The development of Home Economics in Ontario schools. Present trends, values and aims.

Responsibilities of the home economics teacher for curricular and extra-curricular programmes.

Curricula: materials, procedures, content.

Teaching methods and techniques currently applied in this field.

Evaluation: objectives and materials.

The home economics classroom: selection, placement and care of furnishings and equipment.

Records, budgets, regulations.

The above topics will be presented, explored, discussed and demonstrated in regular seminars and accompanying demonstration classes.

PHYSICAL EDUCATION

52. This course is outlined in the Courses of Study for Grades IX-XIII issued by the Ontario Department of Education.

COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Theory, Methods and Materials (for men and women).
Practice (for men):
- (*a*) Basic Drill.
- (*b*) Gymnastics.
- (*c*) Apparatus.
- (*d*) Games.
- (*e*) Swimming.

Practice (for women):
- (*a*) Gymnastics.
- (*b*) Games.
- (*c*) Rhythmics.

SEMINAR IN PHYSICAL EDUCATION

For High School Assistants', Type A Candidates

53. (1) Organization and administration, including the following:
- (*a*) aims, objectives and policies,
- (*b*) selection and grading of teaching material,
- (*c*) marking and testing,
- (*d*) planning the curricular and extracurricular programmes.

(2) Methods and survey of material (Women):
- (*a*) Physical Education—gymnastics, games, rhythmics, swimming,
- (*b*) Health Education—anatomy, physiology, body mechanics, first aid, healthful living, child study.

(3) Methods and survey of material (Men):
- (*a*) Physical Education—basic drill, gymnastics, apparatus, games, swimming,
- (*b*) Health Education—anatomy and physiology, first aid, safety education, healthful living.

ART

54. COURSE FOR THE ELEMENTARY CERTIFICATE

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering, Theory and History of Art, Methods of Teaching Art.

SEMINAR IN ART

For High School Assistants', Type A Candidates

55. The seminar in Art will discuss classroom methods and problems relating to the advanced grades. Special emphasis will be given to (*a*) the securing, organizing and use of illustrative source material, such as slides, prints and exhibitions which can be used to interpret and intensify the study of art history and art criticism; (*b*) a more advanced study of the theory, history and practice of art.

VOCAL MUSIC

56. COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Voice Training and Song Material:

The adolescent voice; choral singing; practice in tone production, intonation, diction, and breath control; blending of voices in part singing; interpretation; analysis of song material for Grades IX and X.

Conducting:

The conducting patterns of common metres; special problems: attack and release, incomplete bars, expression, use of the left hand.

Rudiments of Music:

Notation (notes, rests, clefs); intervals and their inversion; metre and rhythm; scales (diatonic and chromatic); transposition; musical terms, abbreviations and ornaments.

Music Appreciation:

Teaching of the topics prescribed for Grades IX and X; the human voice, musical instruments, elementary form, nationalism, music aesthetics; study of selected compositions through recordings; organization of a course in music appreciation; choice and care of equipment.

Methods:

General principles of music education; analysis of the course for Grades IX and X; voice testing; teaching of rote songs, reading songs, part songs and theory; use of the piano; integration of music with other subjects; the relation of the school orchestra to the vocal programme; elementary scoring and transposition for instruments.

INSTRUMENTAL MUSIC

57. COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Technical Training:

Fundamentals of tone production and basic fingering in all families of instruments; playing scales, diatonic and chromatic; simple melodies; reading orchestral scores of elementary range; construction and care of all types of instruments.

Conducting:

The conducting patterns of common metres; special problems of conducting in instrumental groups.

Methods:

General principles of organization and instruction of instrumental classes; special methods of class teaching for strings, band classes, or combined groups.

NOTE: This is a practical course, with the emphasis laid on two essential points, (i) individual mastery of instruments;
(ii) methods of class teaching.

SEMINAR IN VOCAL MUSIC

For High School Assistants', Type A Candidates

58. *Sight Singing and Ear Training:*

Sight reading of songs based on the theory prescribed for Grade XIII; extraneous modulation; singing of major scales from any note in the scale to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords listed below for harmony; detection of errors in the performance of more advanced part songs.

Voice Training and Song Material:

Advanced study of topics listed in the Elementary Type A Course through choral works; unaccompanied singing; modern theories of voice training; the teaching of special classes in voice training; selection of song, choral and operatic material for Grade XIII classes, public performances and festivals.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Operetta:

The detailed study and preparation of an operetta for public performance.

Music Appreciation:

Teaching of the topics prescribed for Grade XIII; advanced form, music biography and history, the analysis of selected compositions with special attention to the prescribed works for Grade XIII; use of miniature scores; supplemental reading; evaluation of recordings for school use; use of radio in music appreciation.

Methods:

Modern theories of music education; musical talent and its measurement; the specially gifted pupil; the relation of Secondary School music to music in the Elementary School and to the work of the private teacher; administration; music festivals and adjudication; practice in individual tutorial work; the piano accompaniment of school singing; analysis of the prescribed course for Grade XIII.

SEMINAR IN INSTRUMENTAL MUSIC

For High School Assistants', Type A Candidates

59. *Sight Singing and Ear Training:*

Sight reading of songs based on the theory prescribed for Grade XIII; extraneous modulation; singing of major scales from any note in the scale to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords for harmony; detection of errors in the performance of more advanced part songs.

The Orchestra and Band:

Orchestral playing, organization and conducting; selection of music for Grades IX to XIII class study, for orchestras and bands of High School calibre, and for public performance and festivals.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Arranging:

Transcription and arranging of selections from piano score for full orchestra or band; transposition for all instruments.

Methods:

Advanced study of topics listed in the Elementary Type A course.

Class instruction of instrumental classes, beginners and advanced classes, with all types of instruments.

60. COURSE FOR THE ELEMENTARY COMMERCIAL CERTIFICATE

(1) Shorthand Theory:

The principles of the Isaac Pitman system; writing continuous matter in approved shorthand forms; transcribing sight passages in continuous shorthand.

(2) Shorthand Practice and Transcription:

Writing from dictation for ten minutes, in approved Pitman Shorthand, easy material at the rate of sixty words per minute; transcribing of these notes on a typewriter with blanked keyboard; ten minutes to be allowed for revision of notes, and forty minutes for transcription.

(3) Typewriting:

(*a*) Typing for ten minutes on a typewriter with blanked keyboard at a net rate of thirty words per minute with 1% error or less. (The basis for estimating the number of words shall be five strokes per word.)

(*b*) Application of typewriting to simple problems in setting up business letters, headings, programmes, invitations, announcements, display work, tabular work.

(4) Bookkeeping:

The study of the various aspects of the fundamental equation, including journalizing, posting and the setting up of the financial statements in trading and non-trading organizations.

(5) Penmanship:

Posture, penholding, position of the paper, movement, development of speed, classification of small and capital letters according to similarity of basic principles. Graceful, legible business writing; ledger headings; figures; accounts; marking alphabet; writing on the blackboard.

(6) Methods—Minor:

(*a*) Methods of teaching Business Practice and Bookkeeping: instructional material; testing programme; presenting special topics; text-books; outlining courses; grading papers.

(*b*) Methods of teaching junior Shorthand and Typewriting.

(i) First year in Shorthand: organization of classes and materials; content of course; analysis of text-book; division of time for various sections of the work; various methods of approach; shorthand penmanship; reading of shorthand; how and when to test; the place of theory in junior classes; how and when to introduce transcription.

(ii) First two years in Typewriting: typing room, equipment and supplies; class organization; teacher's preparation; application of general principles to the teaching of typing technique; analysis and prevention of errors; speed development; tests and how to mark them; the second year course; written reports on actual lessons.

61. COURSE FOR THE ELEMENTARY INDUSTRIAL ARTS CERTIFICATE, TYPE A

This course may not be completed in the regular College session but requires a subsequent Summer session before the candidates will be recommended for the certificate.

Draughting: Orthographic projection problems; isometric drawing of rectangular, circular and cylindrical figures; sketching oblique views, geometric drawing; tracing and blue printing.

Woodworking: Nature, structure and characteristics of common woods; the selection and suitability of woods for various purposes; seasoning, defects and grading lumber; cutting out operations, planing, squaring, chiselling and paring; uses of various fastening materials; construction of common joints; various methods of wood finishing and care of brushes; use and care of band saw, variety saw, jig saw and jointer; the wood turning lathe, with elementary turning of single spindle and face plate work; sharpening and care of woodworking tools.

Sheet Metal Work: Laying out patterns, cutting, bending, soldering and rivetting of tin plate and galvanized iron; etching, hammering, planishing and polishing of brass and copper.

Machine Shop Practice: Hand tools and bench work; layout work and elementary machine operations.

Methods of instruction and class organization of the General Shop.

62. COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

The home economics curriculum: materials, procedures, content.

Fundamental principles, practices, and standards in home and family living.

Problems of organization; methods of teaching; aids to learning; home and classroom equipment. Departmental regulations. Guidance in classroom teaching.

63. DICTION AND VOICE PRODUCTION

General lectures on diction and voice production.

Corrective work and exercises.

ONE-YEAR COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS[1]

CONDITIONS OF ADMISSION

64. (1) A candidate for admission to the course for the Interim Intermediate certificate in Home Economics should make application, not later than August 31st, on a form to be obtained from the Secretary of the Ontario College of Education and should submit with this application:

(*a*) A certificate from a competent authority that she is a British subject.

(*b*) A certificate from a clergyman or other competent authority that she is of good moral character.

(*c*) A certificate of successful vaccination. Every candidate for admission must submit a certificate of successful vaccination with her application.

(*d*) A statement signed by herself to the effect that she intends, when opportunity offers, to teach the subject of Home Economics.

(*e*) One of the following:

A Permanent Second Class certificate obtained under the regulations in force subsequent to September, 1927; an Interim or Permanent First Class[2] certificate; a High School Assistant's certificate; an Ordinary Vocational or a Specialist Vocational certificate.

(2) Candidates who fulfil the foregoing conditions of admission and who hold Elementary Certificates in Home Economics, Type A, B, or C will be exempted from attendance during the Autumn term.

COURSE OF STUDY

65. The Course of Study for the Intermediate certificate in Home Economics includes the following, with specific reference to the course in Home Economics for Grades VII, VIII, IX, and X:

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[1]In view of the very limited demand for this course at the present time, it will not be given in 1955–56.

[2]Now called the Elementary-School Teacher's certificate.

PART I

FOODS

Economics.—Marketing; points to be considered in selection; factors determining cost; saving of materials, fuel, and labour in preparation; care in the home; utilization of left-overs.

Nutrition.—Composition and nutritive value of foods; requirements to maintain the body in health; digestion of foods, factors influencing the diet, menu planning; diets for infants, children and adults.

Preparation.—Scientific principles underlying methods of preparation; application of these principles in food and meal preparation and service (family meals, meals for children, and meals for the aged and sick in the home).

CLOTHING

Selection.—Source and properties of the principal textile fibres; study of textile fabrics; principles of design; aesthetic and economic factors determining selection for the individual.

Construction.—Cotton, linen or woollen garments: choice and preparation of material, commercial patterns, use and care of the sewing machine, construction processes.

Care.—Daily, weekly, and seasonal; repairing; removal of stains, laundering.

HOME MANAGEMENT

The Home.—Standards of living in relation to home life; relation of the home to the community.

The House.—Planning, furnishing; renovation; care; problems and procedures in the management of the modern home; household budgets; use and care of household equipment, appliances and fabrics.

Sanitation.—Effect of environment on health; sanitary control of surroundings; disposal of waste.

Home Nursing and Child Care.—Care of the infant, child and adult; emergencies; bandaging.

METHODS

Objectives in teaching Home Economics; types of equipment; study of recommended courses; problems of organization; methods of teaching; demonstration of lessons; teaching aids.

PART II

Observation and Practice-teaching will be provided in selected Public and High Schools and will include a minimum of six practice lessons per student with an equal number of periods for observation lessons.

EXAMINATIONS

66. (1) Candidates for the Intermediate certificate shall pass in each of Parts I and II under the following conditions:

(*a*) Part I.

The following shall be the subjects in Part I with the maximum value of 100 for each subject:

Foods
Clothing
Home Management
Methods

The standing of candidates in the subjects of Part I will be determined by the sessional records and the final written examinations.

The sessional records, to which shall be allotted one-half the maximum value assigned above to each subject, shall consist of the daily credits and of the results of oral, written, and practical tests.

The final written examinations, to which shall be allotted the remaining half of the maximum value assigned above to each subject, shall include the following papers:

Foods
Clothing
Home Management
Methods

The pass standard in Part I shall be 60% of the marks assigned to each subject.

(*b*) Part II.

The standing of candidates in Part II shall be determined wholly by the sessional records. For this purpose the maximum value assigned to practice lessons shall be 300, and to observation lessons, 100.

The pass standard in Part II shall be 60% of the aggregate of the marks for the practice lessons and for the observation lessons respectively.

(2) (*a*) Candidates who pass in Part II and fail in not more than one subject of Part I will be exempted from further attendance.

(*b*) All other candidates who fail to obtain the necessary final standing will be required to attend another session, beginning after the Christmas vacation.

(3) (*a*) Candidates who are exempt from attendance under (2) (*a*) above may complete their standing for a certificate by taking at an annual examination, the examination, written or practical, in the subject in which they failed.

(*b*) The pass standard for candidates not in attendance will be the same as that for candidates in attendance, but no allowance will be made for sessional work in the case of those not in attendance.

CERTIFICATES

67. A candidate who takes the subjects and passes the examinations therein prescribed above shall be entitled to an Interim Intermediate Home Economics certificate which shall be valid in these subjects in any Public, Separate, High or Continuation School and in Grades IX and X of a Collegiate Institute, provided that the teacher is otherwise qualified to teach in such schools.

This Interim certificate shall be valid for two years. The conditions under which the Interim Home Economics certificate may be made Permanent are contained in the regulations of the Department of Education.

68. COURSES FOR CERTIFICATES IN VOCATIONAL EDUCATION AND INDUSTRIAL ARTS

The Ontario Training College for Technical Teachers, which was established in Hamilton in 1925, has been re-organized as a department of the Ontario College of Education, Toronto, as of September 1, 1946.

I. Courses for the Interim Vocational certificates, Type B and Type A.

II. Courses for Industrial Arts certificates:

1. The Intermediate certificate.
2. The Specialist certificate.

GENERAL CONDITIONS OF ADMISSION

(1) An applicant for admission to the courses referred to above shall make application, not later than August 31st, to the Director of Vocational Training, 371 Bloor Street West, Toronto 5, on a form to be obtained from him, and shall submit with this application, on forms also to be supplied by the Director:

(a) A certificate from the Deputy Registrar-General of Births, Parliament Buildings, Toronto, or an affidavit by one of the parents or other relative, or other person cognizant of the applicant's date of birth.

Age limits:

For the Interim Vocational course, male applicants shall be not less than twenty-three and not more than thirty-five years of age; female applicants shall be not less than twenty-one and not more than thirty-two years of age.

For the Intermediate Industrial Arts course, applicants shall be at least twenty years of age.

For the Specialist Industrial Arts course, applicants shall be not less than twenty-three and not more than thirty-five years of age.

(b) A certificate from a competent authority that he is a British subject.

(c) A certificate from a clergyman or other competent authority that he is of good moral character.

(d) A certificate of successful vaccination.

(2) Before the final admission, and provided that the applicant is not already the holder of a Teacher's certificate, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 20th, and shall hold themselves in readiness to appear for subsequent further examination as required. Students are required to be in continuous attendance at the College during the period of the medical examination, September 20th to 24th.

(3) In the event of rejection of an applicant in consequence of the medical examination and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

69. 1. COURSE FOR INTERIM VOCATIONAL CERTIFICATE, TYPE B

REQUIREMENTS FOR ADMISSION

To this course may be admitted Applied Science graduates (engineers) and skilled tradesmen.

(1) Engineers. A candidate shall be the holder of a degree from the faculty of Applied Science of a recognized university, and shall submit statements to prove not less than two years' subsequent experience in the field of his major subject.

(2) Skilled Tradesmen, who are not engineering graduates.

(*a*) Education.

Applicants are required to give evidence of secondary school graduation or the equivalent. Otherwise, candidates may be required to write examinations in English, Mathematics and Science, these examinations to be held at the College on the first day of the session.

(*b*) Trade Training and Experience.

(i) The training or apprenticeship required shall be that usually demanded for journeyman's qualifications in the trade concerned. Special training obtained in an approved day vocational school will be taken into account in considering the period of training. Applicants should submit statements from the persons or firms under whom they were trained, showing the length of the training period and the nature of the work.

(ii) The experience required shall be several years of wage-earning journeyman trade experience with approved high-grade firms, and shall be such as to show that the applicant is a skilled craftsman, competent in the main branches of the trade, and familiar with its recent develop-

ments. The length of the journeyman experience depends upon the nature of the trade. Documentary evidence of experience in the trade in approved shops shall be furnished by the applicant.

2. COURSE FOR INTERIM VOCATIONAL CERTIFICATE, TYPE A

REQUIREMENTS FOR ADMISSION

(1) This course is offered to Applied Science graduates (engineers) who have been graded 66% or higher in their final year and one other year at the university.

(2) Each candidate shall

(*a*) submit evidence of not less than two years of approved wage-earning experience in the field of his major subject,

(*b*) be required to take all the subjects of the course for Type B certificate, and to obtain grading of 66% or more in them,

(*c*) take additional courses in the organization, administration, and supervision of vocational schools, with special reference to the duties and responsibilities of the shop, technical or industrial directors, assistant principals and principals.

If his grading in the Type B course (see (2) (*b*)) is not a failure but is less than 66%, he will be recommended for a Type B certificate only.

70. PROGRAMME OF STUDIES

The course of training for the Interim Vocational certificate, Type B, consists of two parts:

Part I: Educational Psychology
School Law and Regulations
English
History of Vocational Education
Principles of Teaching and Classroom Management
Technical Subjects: 1. trade analysis,
2. shop plan,
3. equipment list,
4. yearly budget,
5. course of study.

Part II: Observation and Practice-teaching.

71. ORGANIZATION OF COURSE

(1) Every applicant shall be required to pass an examination designed to test his attainments as a skilled worker in the trade concerned. The examination shall be on the fundamental principles, operations, processes and skills of the trade, and shall be in two parts (1) written, (2) practical. In the practical examination he shall be required to show his skill in a performance test.

(2) In general, the course is built upon the experiences of the student-teachers in the practice schools. Observation is stressed during the early part of the session. Individual and group instruction will be increased until, in the final two weeks, the student-teacher will take charge of the class with no assistance from the teacher.

(3) During alternate weeks in the College, in addition to the programme of studies, the student-teacher is given an assignment to cover his duties in the practice school for the following week. A corresponding bulletin is mailed to the teacher, who reports on the progress of the student at the completion of each week of Practice-teaching.

(4) Where possible, student-teachers are sent at first to vocational departments in the smaller composite schools and later to technical schools in the larger centres. The Director and his staff visit the practice schools from time to time to assist in evaluating the students' work.

72. DETAILS OF SUBJECTS

The details of the subjects of the course for the Interim Vocational certificate, Type B, are set out below.

EDUCATIONAL PSYCHOLOGY

(a) Psychology
  (i) intelligence, tests and measurements;
  (ii) learning, nature and laws; memory, fatigue, transfer, etc.
  (iii) mental hygiene of the pupil and the teacher,
  (iv) psychology of adolescence; school discipline.
(b) Guidance and Counselling.

SCHOOL LAW AND REGULATIONS

The Vocational Education Act, Regulations for Vocational Schools, the Apprenticeship Act, the Trade Schools Regulation Act; other legislation and regulations of direct concern to vocational schools.

ENGLISH

English—both oral and written—a brief review of the main essentials of grammar and composition to enable the shop teacher to avoid the more common errors in the use of words.

HISTORY OF VOCATIONAL EDUCATION

Brief historical sketch to show vocational aspects of educational developments; contributions of the educational reformers, Comenius, Locke, Rousseau, Pestalozzi, Fellenberg, Herbart, Froebel, Spencer; relation of industrial developments to the need for industrial education; development of secondary education, of vocational education; the manual training movement, the mechanics' institute, the farm and trade school, industrial and technical schools, trade schools; part-time, co-operative and apprenticeship classes; the Ontario educational system.

PRINCIPLES OF TEACHING AND CLASSROOM MANAGEMENT

Learning process as applied to practical subjects; formal lesson types; individual differences; individual and group instruction; lesson planning; instruction aid material—sheets, pictures, charts, films, models; organization of instruction material; tests and examinations; records; special shop problems.

TECHNICAL SUBJECTS

(a) Trade Analysis and Course of Study:

Study of the work of the skilled craftsman to determine the teachable content of each trade or calling. Analysis of the trade to determine the skill, and the trade, technical and concomitant knowledges of the skilled worker; selection of instructional materials and arrangement into groups according to learning difficulties; selection of projects to be used to fit the order of the course of study; determination of related mathematics, science, drawing and auxiliary information needed in each project, preparation of course of study; unit courses.

(*b*) Shops Plan, Equipment List, and Annual Budget:

Study of desirable features of shops and classrooms, size, shape, lighting, lay-out; preparation of minimum, and desirable, lists of equipment for the type of shop in which the teacher-in-training will work; design of benches, tables, furniture, selection of tools and machines; approximate prices; preparation of annual budget.

73. II. COURSES FOR INDUSTRIAL ARTS CERTIFICATES[1]

1. COURSE FOR THE INTERMEDIATE CERTIFICATE

This is a two-year course to provide training for those who contemplate the teaching of Industrial Arts in Public, Separate, Continuation and High Schools. Applicants admitted under condition B below shall be exempted from attendance during one year of the course.

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit:

A. Evidence of graduation from an approved regular four-year industrial course in a vocational school, which includes machine shop practice, woodworking, drafting, electricity, and auto mechanics; and evidence of at least one year of approved industrial wage-earning experience;

OR

B. Evidence of a Second Class of more advanced Ontario teaching certificate, and *either* an Elementary Manual Training certificate *or* a statement indicating successful completion of the work of Part I of the Elementary Industrial Arts course. Applicants who

[1]The Dean reserves the right to limit the total enrolment of Intermediate and Specialist candidates to twenty-five.

hold the Elementary Industrial Arts certificate, Type A shall be exempted from attendance during the autumn term but shall make application for admission not later than December 1.

74. PROGRAMME OF STUDIES

The course of training for the Intermediate certificate in Industrial Arts consists of two parts as follows:

Part I: Activity Analysis and Course of Study
Shop Work
History of Industrial Arts Education
Guidance

Part II: Observation and Practice-teaching.

Each student is given at least three weeks in a practice school. His teaching progresses from individual and group instruction to complete charge of routine duties and class instruction. If possible, he is sent to the general shop in (a) a public school, (b) a continuation or high school, and (c) a collegiate institute.

Note: For the Programme of Studies for those who must attend two years, see the Programme of Studies of the course for the Ordinary Vocational Certificate in Section **70**.

75. DETAILS OF SUBJECTS

ACTIVITY ANALYSIS AND COURSE OF STUDY

See Technical Subjects in Section 70.

SHOP WORK

The present set-up consists of (a) Metal work, (b) Woodwork and Crafts. Each shop is organized on the general shop plan. At least four activities are being conducted in each shop. Metal work includes such activities as forge and vise work, sheet metal, welding, machine shop, and machinery principles. Woodwork and Crafts include drafting, woodwork (both hand and machine processes), building construction, practical electricity, furniture finishing, leather work, art metal work, and plastics.

HISTORY OF INDUSTRIAL ARTS

See History of Vocational Education in Section 70.

GUIDANCE

A course of lectures in educational and vocational guidance.

76. 2. COURSE FOR THE SPECIALIST CERTIFICATE[1]

This course is to provide training for those who contemplate teaching Industrial Arts in collegiate institutes.

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit a Permanent[2] Intermediate Industrial Arts certificate.

77. PROGRAMME OF STUDIES

The course of training for the Specialist certificate in Industrial Arts consists of two parts as follows:

Part I. Activity Analysis, Course of Study and Shop Management
Advanced Shop Work

Part II. Observation and Practice-teaching.

78. EXAMINATIONS AND CERTIFICATES

(1) The final standing of students in attendance in the course for the Interim Vocational Certificate or the courses for the Intermediate and Specialist Certificates in Industrial Arts shall be determined by the combined results of the sessional records and the records of the final examinations of Part I and by the results of the records of the Observation and Practice-teaching of Part II, of the course concerned.

(2) The sessional records in each course represent oral and written exercises, practical work, research and frequent tests; and at the close of each term there will be a set of examinations.

(3) A candidate shall pass in each of the subjects listed in the Programme of Studies of the course concerned. The pass standard shall be 50% of the marks assigned to each subject of Part I and 60% of the aggregate of the marks assigned to each of the divisions of Part II. A candidate for the Intermediate Industrial Arts certificate or the Specialist Industrial Arts certificate must pass a performance test before a certificate is issued.[3]

(4) (*a*) A candidate for the Interim Vocational certificate who passes in Part II and fails in not more than two subjects of Part I shall be exempted from further attendance.

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[1]This certificate may be obtained also in summer courses conducted by the Department of Education.

[2]Service personnel may be admitted on an Interim Intermediate Industrial Arts certificate.

[3]A candidate for the Interim Vocational certificate, either Type B or Type A, must obtain a minimum of 50% in the Trade test.

(*b*) A candidate for the Intermediate certificate in Industrial Arts who passes in Part II and fails in not more than two sections of Shop Work *or* one other subject of Part I shall be exempted from further attendance.

(*c*) A candidate for the Specialist certificate in Industrial Arts who passes in Part II and fails in not more than two sections of Advanced Shop Work of Part I shall be exempted from further attendance.

(*d*) All other candidates who fail to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

(*e*) A candidate exempted from attendance, as provided in Section 75 (4) (*a*), (*b*) or (*c*), may complete his standing for a certificate by re-writing at an annual examination the examination in the subject in which he failed. Examinations will be held at the close of the session at such centres and under such conditions as are set out in Section 16 (3) (b).

79. GRADES OF CERTIFICATES

(1) An Interim Vocational certificate, Type B, which qualifies the holder to teach a shop subject for two years in a vocational school.

(2) A Permanent Vocational certificate.

(3) An Interim Vocational certificate, Type A, valid for two years.

(4) A Permanent Vocational Specialist certificate.

(5) An Interim Intermediate certificate in Industrial Arts which qualifies the holder to teach shop work for two years in a public, separate, continuation or high school.

(6) A Permanent Intermediate certificate in Industrial Arts.

(7) A Specialist certificate in Industrial Arts which qualifies the holder to teach shopwork in a collegiate institute.

(8) A Vocational School Principal's certificate. For the requirements for this certificate, consult the regulations of the Department of Education.

LETTER OF STANDING

80. (1) Candidates who have fulfilled the requirements for admission to the course leading to the Interim Vocational certificate, Type B, and who are exempted by the Minister of Education from attendance at the Ontario College of Education on account of equivalent training in other provinces of Canada or in other countries of the British Commonwealth of Nations, may be granted a *Letter of Standing* by the Minister valid, for not more than one year from the date of issue, in the corresponding trade subject in a secondary school.

(*a*) Before being granted a *Letter of Standing* an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education.

(*b*) Before being granted a *Letter of Standing* an applicant must submit a certificate from a competent authority that he is a British subject.

(2) On the statement of the Principal that the candidate has taught successfully for one year under the authority of a *Letter of Standing*, he may be recommended by the Inspector concerned for the Interim Vocational certificate, Type B.

81. GRADUATE COURSES IN EDUCATION

These courses are designed chiefly for the professional improvement of qualified and experienced teachers. Such applicants for admission may enrol as candidates for degrees in education, as explained below. Alternatively they may enrol simply as graduate students if they do not wish to proceed immediately to a degree, or if they cannot meet all requirements for admission as candidates for a degree.[1] University graduates who are not certified teachers may also enrol as graduate students, although not as candidates for degrees in education.

Graduate courses in education are offered in regular sessions and in summer sessions. The following are the units of instruction:

1. *The Development of Modern Educational Systems*

The movement towards state responsibility for the education of all, and the extension of state-controlled systems of education, particularly in Great Britain, the United States and Canada during the past two centuries.

2. *The Development of Modern Educational Thought and Practice*

The thinking of outstanding educators and changing concepts of society which influenced classroom practice in England, the United States and Canada during the past two centuries.

3. *Educational Psychology*

An introductory course in general educational psychology.

4. *School Law and Administration of Education in Ontario.*

5. *Supervision*

Functions and duties of supervisors and principals as related to the administration of the elementary and secondary school and improvement of instruction; specific administrative and supervisory techniques.

6. *Principles and Practices in School Administration*

The administration of education in England, the United States, Canada, Australia, New Zealand and South Africa. Relevant information regarding other countries may be included.

The course will include a consideration of such topics as centralization *vs.* decentralization, school legislation, division of duties between central

[1]Those who wish to qualify for Elementary-School Inspectors' certificates must obtain credit in units 3 *or* 12, 4 *or* 6, 5 *or* 9, and one other.

and local authorities, educational finance, supervision, etc. Comparisons between systems in different countries will be stressed throughout the course.

7. *Measurement in Education*

An evaluation of various types of objective and essay-type examinations. The preparation and use of new-type tests. Standardized tests. The measurement of general and specific aptitudes, personality traits, and school achievement. Interpretation of test results.

8. *Educational and Vocational Guidance*

Basic principles and current practices in educational and vocational guidance, with a discussion of diagnosis, counselling, and the place of group work, in a student personnel programme.

9. *Instructional Techniques and Practices*

The development of theories of learning from Pestalozzi to modern times and the influence of these theories on curricula and methods. A study of such general methods as the Dalton Laboratory Plan and the Enterprise Method, as well as an evaluation of various methods of teaching the subjects of the elementary and the secondary school curriculum.

10. *Educational Statistics and Experimental Methods*

An introductory course in elementary statistics. Design of experiments, including the logic of generalizing from a sample to the population, and methods of planning investigations.

11. *Modern Philosophies of Education*

Critical survey of modern philosophies and the conflict of essentialist and progressivist schools of thought.

The nature of society and the aims of education in different types of society—especially in a democracy.

Various educational agencies; the peculiar place of the school; an evaluation of the school and a noting of new ventures designed to take care of the inadequacies of the school.

12. *Intelligence and its Measurement*

The nature, growth and distribution of intelligence. The preparation, administration and interpretation of group and individual mental tests.

13. *Mental Health and Child Study*

The factors involved in child development (pre-school period, early school years, intermediate years, adolescence) and the difficulties and problems of each period. The preventive and remedial phases of mental health.

14. *Diagnosis and Remedial Instruction*

Study of pupil difficulties and techniques of preventive and remedial teaching, with special emphasis on practices suitable for typical classrooms; use of diagnostic tests, observations and examinations and interpretation of the results.

15. *Adult Education*

History and organization of adult education in Canada; a survey of current philosophies of education in the adult field; psychology of learning for adults; problems of administration and presentation of adult education, and allied topics.

16. *Curriculum Development and Improvement*

Principles, problems, experiments, trends in curriculum development in elementary and secondary schools. Factors involved in leadership in curriculum development and the improvement of instruction. Analysis of curriculum programme in relation to modern concepts of curriculum.

17. *Advanced Statistics and Measurement*

A study of recent developments in statistics and measurement, with emphasis on the mathematical assumptions and derivations underlying the theory; will include multiple regression, analysis of variance and covariance, sampling theory, and applications of statistical methods to the development of measuring instruments.

18. *Research in Education*

Nature of scientific thinking. Finding and defining the research problem. Advantages, disadvantages, limitations and theoretical aspects of various methods of doing research in education. Location, evaluation, analysis and presentation of data. The research report.

NOTES: Units 1, 2, 3, 4, 5, and 18 are offered in every session. Units 6, 7, 8, 9, 10, 15, and 17 will also be offered in the summer session of 1955 and in the regular session 1955–56 if a sufficient number of candidates apply. Units 17 and 18 are open only to advanced students, including candidates for the doctorate.

82. DEGREE OF BACHELOR OF EDUCATION (B.ED.)

(1) For admission as a candidate for the degree of Bachelor of Education an applicant shall (*a*) hold an approved degree in Arts, Science, Agriculture, Engineering, or Commerce, (*b*) hold a certificate as teacher valid in Ontario issued after a regular course in an approved training school, or an equivalent certificate valid in another province of Canada, and (*c*) have completed one year's successful teaching experience subsequent to having obtained a teaching certificate.

(2) To complete requirements for the degree the candidate shall be in attendance at the Ontario College of Education during one summer session or one regular session and shall obtain standing on units 1 and 2 of the units of instruction listed in Section 81.

(3) The examinations, one paper per unit, shall be held in April and May at the University of Toronto or in other localities in the Province approved by the Senate and under a presiding examiner appointed by the

Senate, provided the candidate thereat defray the cost of the local examination. The candidate shall send notice not later than February 15th indicating his intention to write the examinations, the particular units he will write, and the locality in which he wishes to write the examinations.

(4) The standard for a pass shall be 60 per cent. of the marks assigned to each unit. [See Section 83(1).] On the report of the instructors concerned a maximum of 25 per cent. of the marks in any unit may be assigned to the term work of the candidate.

(5) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Examination, per unit	3.00
Degree	10.00

The total fee, $96 (or $86 in the case of candidates who do not wish to receive the degree), is payable to the Chief Accountant's office of the University of Toronto when the candidate's application forms have been approved and returned to him for such payment.

83. DEGREE OF MASTER OF EDUCATION (M.ED.)[1]

The degree of Master of Education (M.Ed.) will be awarded by the School of Graduate Studies under the following conditions:

(1) For admission as a candidate for the degree of Master of Education an applicant shall hold the degree of Bachelor of Education from the University of Toronto with standing of at least 66 per cent. on each of the two required units [see Section 82, paragraph (2)]; or the applicant shall have qualifications and standing deemed equivalent by the committee administering education courses.

(2) To complete requirements for the degree the candidate shall be in attendance at the Ontario College of Education during one regular session and one summer session *or* during three summer sessions, and shall obtain standing on any six of the above-listed units of instruction for which he has not already been allowed credit as qualification for admission to the M.Ed. programme. Alternatively, after attendance during one regular session or two summer sessions, candidates who obtain 75 per cent. or more on at least two of the first four units elected may apply for permission to substitute a thesis for attendance during the last summer session and for examination on the last two units of the course.

Permission to substitute a thesis for the last two units of course work should be sought only by candidates who have confidence in their ability

[1]See Section 6(4) for information regarding a Fellowship in Education.

to carry out and report on educational research. Candidates who plan to enrol in courses leading to the degree of Doctor of Education are advised to elect the thesis option (see regulations for the degree of Doctor of Education, Section 84).

For two of the six required units the candidates, with the special previous consent of the committee administering education courses, may substitute approved graduate courses in another department of the University.

Candidates who have credit for graduate work in education at other universities beyond requirements for admission to the M.Ed. programme may request that credit be granted on this basis for not more than two of the six required units.

(3) The examinations, one paper per unit, shall be held in April and May at the University of Toronto or in other localities in the Province approved by the Senate and under a presiding examiner appointed by the Senate, provided the candidate thereat defray the cost of the local examination. The candidate shall send notice not later than February 15th indicating his intention to write the examination, the particular units he will write, and the locality in which he wishes to write the examinations.

(4) The standard for a pass shall be 66 per cent. of the marks assigned to each unit. On the report of the instructors concerned a maximum of 25 per cent. of the marks in any unit may be assigned to the term work of the candidate.

(5) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, regular College Session, including examination and library fees	125.00
Examination per unit	3.00
Supervision and examination of thesis	75.00
Degree	10.00

The total of the fees payable by a candidate proceeding to the degree by summer sessions is $86 for the first summer session, $81 for the second, and $91 for the third. These amounts are payable to the Chief Accountant's office of the University of Toronto when the candidate's application forms have been approved and returned to him for such payment.

84. DEGREE OF DOCTOR OF EDUCATION (ED.D.)

The degree of Doctor of Education will be awarded by the School of Graduate Studies under the following conditions:

(1) For enrolment as a graduate student in courses that may be counted for credit towards the doctorate, an applicant shall hold the degree of Master of Education with high standing from the University of Toronto,

or its equivalent. Applicants holding the degree of Bachelor of Pedagogy from the University of Toronto will be required to complete two pre-doctoral units, but applicants who were awarded this degree with honours not later than June, 1952, may be excused from this requirement.

(2) While in attendance as a graduate student, an applicant for enrolment as a candidate for the degree of Doctor of Education will be required to pass a Qualifying Examination. He will also be required to carry out a Qualifying Research Project to the satisfaction of the committee administering education courses. After passing these two tests the graduate student will be enrolled as a candidate for the degree of Doctor of Education.

(3) An applicant who completed the requirements for the Master of Education degree at the University of Toronto by thesis may, if the committee judges the thesis to be of sufficiently high quality, be excused from the Qualifying Examination or the Qualifying Research Project, or both, and may be enrolled immediately as a candidate for the degree of Doctor of Education.

(4) One who holds a Master of Education or equivalent degree of another university and who seeks admission to the programme leading to the degree of Doctor of Education must submit for evaluation: (i) transcripts of all his academic work; (ii) proof, if such is not included in the transcripts, of having received professional training as a teacher; (iii) proof of certification as a teacher, including full information about the certificate held; (iv) evidence of at least one year's successful experience as a teacher; (v) a copy of the master's thesis, if the applicant wrote such a thesis; (vi) the name of the applicant's faculty adviser at the university where the master's degree was obtained.

(5) To complete the course requirements for the degree, the candidate shall be in attendance at the Ontario College of Education during one regular session or two summer sessions. The course shall consist of four of the units of instruction listed above. Unit 18 shall be taken as one of the units in the first session attended except by candidates who have already obtained credit for that unit. The choice of other units is subject to the approval of the committee administering education courses. During each session of attendance candidates for the degree of Doctor of Education, and graduate students who are potential candidates for the degree, are required to take part in the seminar described below.

Seminar in Education

Presentation by candidates for the doctorate of the problems they propose to investigate and defence of procedures they intend to use. Intensive study under the direction of the staff of problems subsidiary to the topic presented. The seminar gives summer school candidates an opportunity to begin their research under close supervision.

(6) Examinations on the four required units shall be held at such times and under such conditions as to date of application, place of examination, term work, etc., as obtain with the Master's degree. The candidate will be required to maintain the high standard of achievement demanded for admission to the programme.

(7) The further and major requirement for the degree is the completion of a doctoral dissertation. During his first session of attendance the candidate is advised to choose a tentative topic and to seek opinions in the seminar and by consultation with the staff regarding its suitability. During the final session of attendance the candidate shall present in the seminar an outline of his proposed research. He must at that time or subsequently obtain formal approval of the outline of his research problem from the committee administering education courses. Under no circumstances will a dissertation be examined for credit unless the topic and the outline have received this initial approval. Candidates should secure a copy of a statement on "Requirements Applicable to Doctoral Dissertations" from the Supervisor of Graduate Students, Ontario College of Education, to whom all general correspondence regarding dissertations may be addressed. After a completed dissertation has been approved by the examiners, the candidate shall furnish the Secretary of the School of Graduate Studies with four bound copies and shall make arrangements to publish the dissertation or an approved abstract thereof. If the candidate publishes only an abstract of his dissertation, he shall furnish the Secretary of the School of Graduate Studies with 25 copies of the abstract.

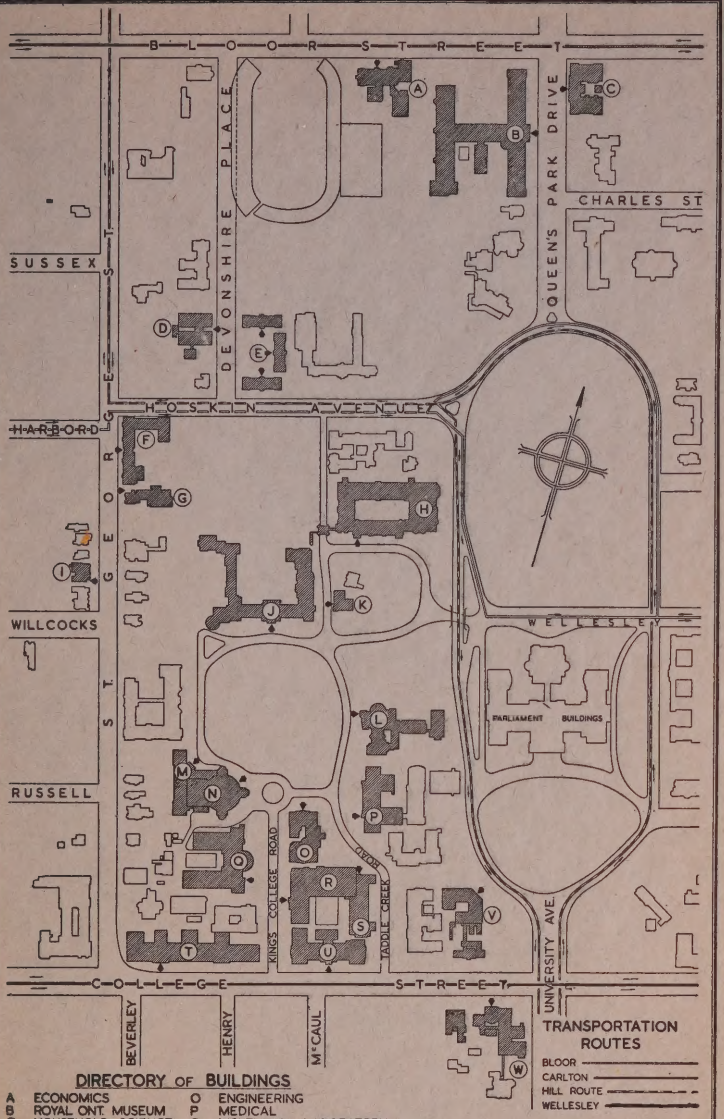
(8) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, Regular College Session, including examination and library fees	125.00
Examination, per unit	3.00
Supervision and examination of dissertation	75.00
Degree	25.00

The total of the fees payable by a candidate attending summer sessions is $86 for the first summer session and $78 for the second summer session. These amounts are payable to the Chief Accountant's office of the University of Toronto when the candidate's application forms have been approved and returned to him for such payment.

85. DEGREES OF DOCTOR OF PHILOSOPHY (PH.D.) AND MASTER OF ARTS (M.A.)

Courses leading to these degrees are offered in regular sessions only. Information about requirements is given in the calendar of the School of Graduate Studies, University of Toronto.



DIRECTORY OF BUILDINGS

A	ECONOMICS	O	ENGINEERING
B	ROYAL ONT. MUSEUM	P	MEDICAL
C	HOUSEHOLD SCIENCE	Q	McLENNAN LABORATORY
D	OCCUP.& PHYS. THERAPY	R	MECHANICAL
E	MEN'S RESIDENCES	S	ELECTRICAL
F	WHITNEY HALL	T	WALLBERG MEMORIAL
G	U.C. WOMEN'S UNION	U	MINING
H	HART HOUSE	V	BOTANY
I	INST. OF CHILD STUDY	W	ROYAL CONSERVATORY OF MUSIC
J	UNIVERSITY COLLEGE		
K	BOOKSHOP		
L	LIBRARY		
M	SIMCOE HALL	→	ENTRANCES USED BY EVENING CLASSES
N	CONVOCATION HALL		

TRANSPORTATION ROUTES

BLOOR
CARLTON
HILL ROUTE
WELLESLEY

UNIVERSITY OF TORONTO

PARTIAL PLAN OF GROUNDS

UNIVERSITY EXTENSION
EVENING CLASSES

SCALE 0 100 200 300 400 500 600 700 800 900 FEET

SUPERINTENDENT'S OFFICE JUNE 1950

The University of Toronto issues the following official calendars, any one of which may be had on application to the Registrar of the University or to the Secretary of the Faculty, School or Institute about which information is sought.

CALENDARS

Admission Requirements
Admission Scholarships and Bursaries
Faculty of Arts
Faculty of Medicine
    Physical and Occupational Therapy
Faculty of Applied Science and Engineering
Faculty of Household Science
Ontario College of Education
Library School
Faculty of Forestry
Royal Conservatory of Music
    Faculty of Music
    School of Music
School of Graduate Studies
Faculty of Dentistry
    Dental Hygiene and Dental Nursing
Faculty of Pharmacy
School of Law
School of Architecture
School of Physical and Health Education
School of Social Work
School of Nursing
School of Hygiene
Institute of Child Study
Institute of Business Administration
University Extension—
    General Course for Teachers
    Certificate Course in Business (Evenings)

Enquiries about the following colleges affiliated with the University of Toronto, should be addressed directly to the Registrar of the College concerned:

Ontario Agricultural College, Guelph, Ont.
Ontario Veterinary College, Guelph, Ont.

Ontario College of Education
Library
OCT 3 1956
University of Toronto

UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education

1956-1957

In view of increasing costs of supplies and labour, residence dues and other charges set forth in this calendar are subject to change by the Board of Governors.

UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education

1956-1957

THE UNIVERSITY OF TORONTO PRESS
1956

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CALENDAR, 1956–1957

1956 June 18.....Summer Session (High School Assistants') opens.

July 3.....Summer Session (Education) opens.

July 3.....Second Summer Session (High School Assistants') opens.

Aug. 3.....Summer Session (Education) closes.

Aug. 24.....Summer Session (High School Assistants') closes.

Sept. 25–29.....Medical Examination

Sept. 25.....Academic year begins at 9 a.m.

Sept. 26.....Address by the President to the students of all faculties and schools at 3.45 p.m. in Convocation Hall.

Oct. 8.....Thanksgiving Day.

Nov. 11.....Remembrance Day Service, Convocation Hall.

Nov. 23.....Autumn Convocation 8.30 p.m.

Dec. 21.....Last day of lectures. Term ends at 5 p.m.

1957—Jan. 7.....Winter Term begins at 9 a.m.

Jan. 20.....Last day for receiving the second instalment of fees.

Apr. 19.....Good Friday.

Apr. 27.....Spring Term begins.

May 10.....Last day of lectures.

May 13–24.....Final Examinations (except for candidates for Intermediate and Specialist Industrial Arts certificates).

May 20–24.....Final Examinations for candidates for Intermediate and Specialist Industrial Arts certificates.

May 29, 30, 31..University Commencement.

ADMINISTRATIVE OFFICERS

The University

President . . . . Sidney Smith, Q.C., M.A., LL.B., LL.D., D.C.L., F.R.S.C.

Registrar . . . . . J. C. Evans, B.A.
Chief Librarian . . . . . R. H. Blackburn, M.A., B.L.S., M.S.
Warden of Hart House . . . . . J. McCulley, M.A.
Director of University Extension . . . . . J. R. Coulter, B.A.

Vice-President (Administration) . . . . . F. R. Stone, B.Com., C.A.
Comptroller . . . . . G. L. Court, D.F.C., B.Com., C.A.
Bursar and Secretary to the Board of Governors . .
Superintendent of Buildings and Grounds . . . . . F. J. Hastie, B.Sc., P.Eng.
Chief Accountant . . . . . D. J. Reid

Director of University Health Service
G. E. Wodehouse, M.C., M.D., F.R.C.P.
Assistant Director of University Health Service—Women
Miss F. H. Stewart, B.A., M.D.
Director of Athletics and Physical Education—Men . . W. A. Stevens, B.S.
Director of Athletics and Physical Education—Women . . Miss Z. Slack, B.A.
Director of the University of Toronto Press . . . . . M. Jeanneret, B.A.
General Secretary-Treasurer of the Students' Administrative Council
E. A. Macdonald, B.A.
Associate Secretary of the Students' Administrative Council
Miss A. E. M. Parkes, B.A.
Director of Hart House Theatre . . . . . R. S. Gill, M.A.
Director of the Placement Service . . . . . J. K. Bradford, O.B.E., M.A.Sc.

Ontario College of Education

Dean . . . . . A. C. Lewis, M.A., D.Paed.
Director of the Department of Educational Research
J. A. Long, B.A., Ph.D.
Supervisor of Graduate Students . . . . . C. E. Phillips, M.A., D.Paed.
Director of the Vocational Guidance Centre . . . . . M. D. Parmenter, M.A.
Director of the Department of Vocational Training and Industrial Arts
R. D. Phillips, B.Sc., M.Ed.
Supervisor of Practice Teaching . . . . . D. F. Dadson, B.A., B.Ed.
Supervisor of Women Students . . . . . Miss Helen B. St. John, M.A.
Secretary . . . . . Miss A. A. L. Elliott, B.A.

Note.—Communications to the Ontario College of Education should be addressed to the Secretary, Ontario College of Education, 371 Bloor Street W., Toronto 5.

CALENDAR 1956

Jan.

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CALENDAR 1957

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Courses in Education

GENERAL INFORMATION

In its courses in education the Ontario College of Education trains candidates for certificates as teachers and in particular for Provincial certificates as teachers of Art, Home Economics, Physical Education, Vocal Music, Instrumental Music, Commercial Subjects, Vocational Education, Industrial Arts, as High School Assistants and as teachers of public and separate schools. It also offers courses leading to the B.Ed., M.Ed., Ed.D., M.A., and Ph.D. degrees.

The buildings of the Ontario College of Education on Bloor Street contain lecture-rooms, laboratories, and reading-rooms for the accommodation of the students, and model class-rooms for observation and practice-teaching. So far as necessary the observation and practice-teaching are supplemented by observation and practice-teaching in schools in and near the City of Toronto.

While the chief exercises of the Ontario College of Education will be conducted in the buildings on Bloor Street, the students in Education may use the University's library, gymnasium, and athletic fields, and Hart House, under such conditions as obtain with other students. They will also be admitted free to the Royal Ontario Museum, Bloor Street, and to the Toronto Art Gallery, Dundas St., from 9 a.m. to 5 p.m., on presentation of their registration cards.

BOARD AND LODGING

The Secretary of the Ontario College of Education will forward lists of boarding-houses on request.

COURSES AND CERTIFICATES

1. (1) The following courses are offered:

(*a*) Courses for Interim High School Assistants' certificates, Type B; Interim High School Assistants' certificates, Type A,[1] including Physical Education, Art, Instrumental Music, and Vocal Music;[2] Interim Elementary-School Teachers' certificates;[3] Interim Elementary certificates in Art; Interim Elementary Type A certificates in Physical Education, Industrial Arts,[3] Instrumental Music, and Vocal Music; Interim Ele-

[1]See Section 18 (1).

[2]The courses leading to High School Assistants' certificates, Type A, in Physical Education, Art, Instrumental Music and Vocal Music are open only to those who qualify under Section 26.

[3]This course may not be completed in the regular College session but requires a subsequent summer session before the candidate will be recommended for the certificate.

mentary Certificate in Home Economics; Interim Intermediate certificates in Home Economics; Interim Elementary Commercial certificates; Interim Vocational certificates; and for Intermediate and Specialist certificates in Industrial Arts.

(*b*) Course for the degree of B. Ed.

(*c*) Courses under the School of Graduate Studies for the degrees of M.A., M.Ed., Ed.D. and Ph.D.

(2) High School Teachers' Certificates.[1]

(*a*) Grades of Certificates:

The following grades of certificates qualify the holders for teaching in High Schools and Collegiate Institutes:

(i) An Interim High School Assistant's certificate, Type B, which qualifies the holder for two years as an Assistant.

(ii) A Permanent High School Assistant's Certificate.

(iii) An Interim High School Assistant's Certificate, Type A, which qualifies the holder for two years as an Assistant.

(iv) A High School Specialist's Certificate which qualifies the holder to be head of a Department.

(v) A High School Principal's Certificate.

(*b*) Requirements for the above Certificates:

(i) For an Interim High School Assistant's Certificate, Type B: The completion of the professional course of training for this certificate at the Ontario College of Education.

(ii) For a Permanent High School Assistant's Certificate: The Interim High School Assistant's Certificate, Type B, and two years, successful teaching experience in Ontario in a secondary school or in Grades IX or X of a Public or Separate School.

(iii) For an Interim High School Assistant's Certificate, Type A: The completion of the professional course of training for this certificate at the Ontario College of Education.

(iv) For a High School Specialist's Certificate: An Interim High School Assistant's Certificate, Type A, and two years' successful teaching experience in Ontario in the subject or subjects covered by the Interim High School Assistant's Certificate, Type A.

(v) For a High School Principal's Certificate: For this information consult the regulations of the Department of Education.

(*c*) The holders of Interim High School Assistants' Certificates, Type B, or Permanent High School Assistants' Certificates may secure Interim High School Assistants' Certificates, Type A, under the conditions outlined in Section 17 of this calendar.

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[1]For certificates in Vocational Training and in Industrial Arts, see Section 79.

SESSION

2. (1) Enrolment will take place and the medical examination will begin at 9 a.m., Tuesday, September 25th. The Autumn Term will end December 21st, at 5 p.m., and the Winter Term will begin January 7th at 9 a.m. The Spring Term will begin April 27th and end May 31st.

HIGH SCHOOL ASSISTANTS' SUMMER COURSES
1956 and 1957

(2) A summer course for the High School Assistant's certificate, Type B, will be held from July 3, 1956, to August 3, 1956, for candidates who qualified for Letters of Standing on completion of the ten-weeks summer course in 1955, and who are recommended for admission by the Principal and High School Inspector concerned. The tuition fee for this course is $25, to be paid to the Chief Accountant of the University, before the opening day of the course.

(3) (a) From June 18, 1956, to August 24, 1956, a summer course will be held, leading to a Letter of Standing. The Letter shall be valid for the school year 1956–57. The holder of such a Letter may secure an Interim High School Assistant's Certificate, Type B, by attending, on the recommendation of the Principal and High School Inspector concerned, a second summer course from July 2, 1957, to August 2, 1957, and by passing the examinations of that course.

(*b*) A candidate for admission to the course leading to a Letter of Standing must fulfil all the conditions of admission to the course for the Interim High School Assistant's certificate, Type B (Section 9), and also must submit evidence that he has accepted a contract offered by a Board for the ensuing school year for a position which has been advertised after April 1 and for which no fully qualified applicant is available. Applications should be made to the Secretary, Ontario College of Education, Toronto 5, as soon as the candidate is under contract to teach.

(*c*) Medical examinations will begin at 9 a.m. on June 18th.

(*d*) Tuition fee for the summer session 1956, to be paid to the Chief Accountant of the University before the opening day of the session, $180; tuition fee for the second summer course 1957, to be paid to the Chief Accountant of the University, $25. These fees include medical and examination fees. None of the incidental fees required of students in the regular session shall be required of students in these summer sessions.

(*e*) No supplementary courses (Section 22) or Type A courses (Section 17) shall be offered in these summer sessions 1956 and 1957, but instruction in teaching the subjects of Grade XIII shall be provided for those deemed by the Dean and Council of the College to be capable of profiting by such instruction.

(4) Courses similar to those described in (3) above will be offered in subsequent summers if the enrolment is sufficient to warrant their establishment.

DUTIES OF STUDENTS

3. (1) Regular attendance on the part of candidates for Provincial certificates is indispensable, except for such as are exempt from attendance under the regulations of the Department of Education, and for such as are permitted by the Dean to act, after Christmas, for not more than a total of one fortnight, as substitute teachers in the schools of Ontario.

(2) Students whose class-work shows them to be unduly deficient in scholarship, or whose attendance or progress is unsatisfactory, may be dismissed from attendance by the Council of the College at any time during the session.

(3) On the Dean's report to the Minister of Education as to the physical unfitness of a student for training for a Provincial certificate as a teacher, the Minister may require a special medical examination of such student, and, as a result thereof, may direct that his registration for such training be cancelled.

(4) Various religious, athletic, literary and dramatic associations are formed each session. For professional improvement all students shall share in the activities of the literary and dramatic associations.

FEES

4. (*a*) For Intramural Students:

High School Assistants' Course, Type B, and Vocational Training and Industrial Arts courses.

*Academic Fee	†Incidental Fees	Total Fee (if paid in one instalment)	First Term Instalment due Sept. 25	Second Term Instalment due Jan. 20
		Men		
$180	$35[1]	$215	$135	$80
		Women		
$180	$20[1]	$200	$120	$80

Notes: 1. The Academic Fee (which includes the examination and University Library fees) and the Incidental Fees are to be paid to the UNIVERSITY OF TORONTO. After January 20th, an additional deferred payment fee of $1 per month shall be imposed until the whole amount is paid.

2. A College Library deposit of $1 is to be paid at the College.

3. There is no additional fee for a High School Assistants' course, Type A, or for a Supplementary course when taken concurrently with the High School Assistants' course, Type B.

(*b*) For Extramural Students:

Fee for the final examinations of the High School Assistants' course, Type B, which includes the fee for the final examinations of the High School Assistants' course, Type A, if taken concurrently..... $20.00

*The fee is the same for the regular College Session as for the Session after Christmas.

†These Incidental Fees include the following fees:—

For men—Hart House; Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

For women—Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

[1]A student who holds an Ontario teaching certificate will pay $33 or $18, as the case may be, because he or she will not be required to take a medical examination.

Fee for the final examinations of the High School Assistants' course, Type A, if taken in a different Session from the final examinations of the High School Assistants' course, Type B..... 8.00

Fee for examination in one subject of any course when repeated in a subsequent Session..... 4.00

5. (1) FINAL EXAMINATIONS

No candidate will be permitted to take more than twice any final examination, or part thereof, for any certificate listed in this calendar.

(2) APPEALS

The answer papers of the final examinations of all unsuccessful candidates for Provincial certificates are re-read by the examiners, and the results of the first reading reconsidered before a decision to reject is reached. Despite this fact any unsuccessful candidate may have his case considered a third time if within two weeks after the announcement of the results he lodges with the Minister of Education his appeal, with a statement of the grounds on which it is based, and with a fee of $2.00. The fee will be refunded if the appeal is sustained.

6. SCHOLARSHIPS AND PRIZES

NOTE

On account of the continued tendency towards lower rates of interest, it is possible that the value of certain endowed scholarships and prizes at the time of payment may prove to be less than the amount stated in the calendar.

In those cases where the amount of the award is not payable from income earned on an endowed fund, payment will be dependent on the receipt of the amount of the annual award from the donor.

THE HUGH W. BRYAN MEMORIAL SCHOLARSHIP OF THE ONTARIO SECONDARY SCHOOL TEACHERS' FEDERATION[1]

(1) The Ontario Secondary School Teachers' Federation has founded an annual scholarship of the value of the interest on $2,000 in memory of a former President of the Federation, Dr. Hugh W. Bryan. This scholarship will be awarded by the Bryan Memorial Scholarship Committee of the Federation, at the close of each session and after the receipt of a report from the Council of the College of Education, to the student in regular attendance throughout the session in the High School Assistants' Course who has shown "the most outstanding qualities of scholarship, teaching ability, and character."

THE LAURA L. OCKLEY SCHOLARSHIP IN HOME ECONOMICS[1]

(2) Former students of Miss Laura L. Ockley, who was in charge of the training of Home Economics teachers in the University of Toronto from 1912 to 1943, have founded in her honour an annual scholarship of the value of $100. This scholarship will be awarded at the close of the session to a student in regular attendance in the High School Assistants' course, Type A, in Home Economics, or in the Intermediate Home Economics course, who has shown the most outstanding qualities of "scholarship and teaching ability in Home Economics and leadership in human relations." Awards over a period of years will be made to students of the High School Assistants' course, Type A, in Home Economics, and of the Intermediate Home Economics course in proportion to the registration in these courses during that period.

THE PAKENHAM MEMORIAL PRIZE[1]

(3) As a memorial to Dr. William Pakenham, Dean of the Ontario College of Education from 1907 to 1934, the teachers of Ontario have founded an annual Memorial Prize of the value of the interest on $1,000. The Prize will be in the form of books stamped with the Coat of Arms of

[1]Only one of these scholarships or prizes shall be awarded to any one student.

the University of Toronto, and will be awarded to the student who obtains the highest standing, as reported in the annual returns of the College, in the subjects of Part I of the High School Assistants' course, Type B, and in Practice Teaching.

THE WILLIAM PAKENHAM FELLOWSHIP IN EDUCATION

(4) The late William Pakenham bequeathed to the University of Toronto the residue of his estate to be used as the governing body of the University may direct in behalf of the activities of the Ontario College of Education.

Accordingly a Fellowship in Education has been established for advanced work either in the University of Toronto or in some other university approved by the Senate. The Fellowship shall be awarded at such intervals and have such value (not to exceed $3,000) as the Senate, on the recommendation of the Council of the Ontario College of Education, may from time to time determine. Applicants must be residents of Ontario, holding a Bachelor's degree, a teacher's certificate valid in a Canadian province, and must submit a record of professional experience and evidence of ability to make a contribution to education in Canada as a result of further work.

Applications shall be made on or before March 1st to the Secretary, Ontario College of Education.

THE JOHN THOMAS CRAWFORD MEMORIAL SCHOLARSHIP

(5) Mrs. J. T. Crawford has established an annual scholarship of $150.00 in the University of Toronto in memory of her husband, the late Professor John Thomas Crawford.

The scholarship, known as the John Thomas Crawford Memorial Scholarship, will be awarded to the candidate in the honour course in Mathematics and Physics in the University of Toronto who stands highest in the final examinations of the fourth year among those who proceed to the Ontario College of Education. The Scholarship will be paid on the successful completion of the fall term of the College of Education.

If no graduate of the Mathematics and Physics course attends the College the highest qualified candidate from the Physics and Chemistry course or from the Engineering Physics course, taken in that order, will be awarded the scholarship when other conditions are satisfied.

7. DOMINION-PROVINCIAL STUDENT-AID BURSARIES

Bursaries may be awarded to students in financial need who are resident in Ontario and who are in attendance at the University of Toronto. Further information may be obtained from the Secretary of the Faculty.

8. (1) HART HOUSE

All men students are required to become members of Hart House. The purpose and the conditions of this membership are defined in a bulletin to be distributed at the time of registration.

8. (2) UNIVERSITY HEALTH SERVICE

Information about this service may be obtained at registration.

COURSE FOR THE INTERIM HIGH SCHOOL ASSISTANT'S CERTIFICATE, TYPE B

CONDITIONS OF ADMISSION

9. (1) Except as provided in (2) and (3) below, an applicant for admission to the course for an Interim High School Assistant's certificate, Type B, shall make application not later than August 31st, to the Secretary of the Ontario College of Education on an official form to be obtained from the Secretary, and should submit with this application, also on official forms which will be supplied by the Secretary:

(*a*) A certificate of birth. An applicant must be at least 20 years of age before October 1st of the year in which he applies for admission.

(*b*) A certificate from a clergyman or other competent authority that he is of good moral character.

(*c*) A certificate of successful vaccination.

(*d*) A certificate from a competent authority that he is a British subject.

(*e*) His certificate of graduation as Bachelor or Master of Arts, Bachelor or Master of Science, Bachelor of Commerce, Bachelor of Science in Agriculture, Bachelor of Applied Science, Bachelor of Household Science, Bachelor of Music[1] or Bachelor of Physical and Health Education, from a British university, after a regular university course approved by the Minister of Education as to admission requirements and as to content of the undergraduate courses.

(2) Before the final admission, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 25th, and shall hold themselves in readiness to appear for subsequent further examination as required. *Students are required to be in continuous attendance at the College during the period of the medical examination, September 25th to 29th.*

(3) No candidate will be admitted whose Ontario teaching certificate has been cancelled or suspended.

(4) Before the final admission, an applicant must also be approved by a Selection Committee consisting of at least three members of the College Staff and a member of the Ontario Secondary School Teachers' Federation, all of whom shall be appointed by the Dean.

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[1]This refers to the degree in the course in School Music of the University of Toronto introduced in 1946.

(5) In the event of the rejection of an applicant in consequence of the medical examination or by the Selection Committee, and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

(6) An applicant for admission to this course who is not a candidate for the certificate of the Ontario Department of Education must comply with such conditions of admission as the Council of the Ontario College of Education may determine.

(7) Applications for admission to the examinations by students not in attendance at the regular session should be made, at least one month before the examinations begin, to the Secretary of the Ontario College of Education, University of Toronto, on an official form to be obtained from the Secretary.

10. TEXT-BOOKS

The text-books for the academic work are those prescribed for the High Schools of Ontario in each subject of the student's course.

For Observation and Practice-teaching students should supply themselves with copies of all necessary school text-books.

11. PROGRAMME OF STUDIES

(1) The course of training for the Interim High School Assistant's certificate, Type B, consists of two parts as follows:

Part I: (*a*) General professional courses, including an Introduction to Education, Educational Psychology, and School Management and Law.

(*b*) Courses in methods of teaching any *two* [1, 2] of the following:

English
Geography and History
Mathematics
Science
Latin
French
German
Greek
Spanish
Italian

[1]Candidates for High School Assistants' certificates, Type A, as defined in section 18 (1), in selecting their subjects from (*b*) above, must include the corresponding subject or subjects of the High School Assistants' course, Type A.

[2]German, Spanish, Greek and Italian may be chosen only by candidates for the High School Assistants' certificates, Type A, except by permission of the Dean.

Part II: Observation and Practice Teaching.

(2) Students in attendance in the High School Assistants' course, Type B, may take also, if they possess the required qualifications, a High School Assistant's course, Type A, and a Supplementary course.

(3) Diction and Voice Production.

At the beginning of the session the short course of lectures on Diction and Voice Production mentioned in Section 64 will be given. These lectures will be supplemented by corrective work with students whose need in this respect is revealed in their practice-teaching. Students requiring speech correction may be withdrawn by the Dean from their supplementary courses for this remedial work.

ORGANIZATION OF COURSE

12. (1) The instruction in the special methodology of the subjects of the High School courses shall be accompanied by a review from the academic standpoint of such portions of each subject as may be necessary to determine the scholarship of the students and to illustrate the methods of instruction in that subject, dealing in particular with those parts of the course that are difficult of presentation.

(2) The following introductory work shall be taken up at the beginning of the session:

(*a*) A brief course in the General Method of the Recitation as a preliminary to Observation and Practice-teaching.

(*b*) Supervised Observation and Practice lessons in Secondary School grades. Students shall be notified of the subject and scope of each Observation lesson, and should prepare the lesson beforehand. After observing the lesson they shall discuss it with the teacher or lecturer concerned.

(3) The introductory course defined in (2) above shall be followed by systematic Observation and Practice-teaching, under the general supervision of the lecturers in the Ontario College of Education.

The Observation work shall begin in the third week of the session, and the Practice-teaching in the fifth week. Exclusive of the introductory work, the programme of instruction shall include for each student at least 25 full days of Observation and Practice-teaching. This number may be increased to meet the needs of individual students.

(4) (*a*) The Observation and Practice-teaching for each student shall be arranged to represent as far as practicable the work in all grades of the Secondary Schools.

(*b*) From time to time, throughout the College session, students shall be excused from the regular College exercises, and shall be assigned to approved practice-schools for continuous periods of Observation and Practice-teaching. For part of each of these periods of continuous practical work the student shall be wholly responsible for the management of his class.

(5) Students shall be notified of the subject and the scope of each Practice-teaching lesson required and shall prepare a plan of each Practice-teaching lesson for submission to the teacher.

(6) (*a*) The lecturers of the Ontario College of Education shall develop the details of their subjects in the teaching order, and, after each suitable step, model lessons will be taught in special classes and in the practice schools.

(*b*) From time to time, the lecturers of the Ontario College of Education shall be present at the Observation lessons and Practice-teaching of the students and shall join in the criticism and valuation of their work.

EXAMINATIONS

13. (1) The final standing of students in attendance shall be determined by the combined results of the sessional records and the records of the final examinations in the subjects of Part I, and by the results of the records of the Observation and Practice-teaching of Part II.

(2) The sessional records represent oral and written exercises, practical work, practice in making examination papers, and in valuing the answer-papers of pupils, and written examinations which shall test in particular the academic scholarship of the candidates.

(3) At the final examinations in Part I, each paper in the academic subjects shall contain questions in methodology, which shall test also the candidate's academic knowledge and, if his sessional records and his answers to these questions show that his academic knowledge is defective, he shall be rejected on this ground alone.

(4) No student in Science or in Modern Languages shall be recommended for a certificate who is not awarded 50% of the marks assigned to laboratory practice in Science or to the oral practice in the Languages.

(5) The maximum marks assigned to each subject in Part I shall be 100. In all subjects a maximum of 40% of the marks shall be assigned to the sessional records and 60% to the final written examinations.

(6) A maximum of 800 marks shall be assigned to Practice-teaching and of 300 to Observation. The standing of the student in Observation and in Practice-teaching shall be based upon his sessional records in the lessons following those which form part of the introductory courses.

CERTIFICATES

INTRAMURAL CANDIDATES

14. (1) A student who obtains 50% of the marks in each of the required subjects of Part I and 60% of the aggregate of the marks in each of the divisions of Part II, may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim High School Assistant's certificate, Type B.

(2) A student who passes in Part II and fails in not more than one of the required subjects of Part I will be exempted from further attendance.

(3) All other students who have failed to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

EXTRAMURAL CANDIDATES

15. (1) (*a*) Candidates who are exempted from attendance at the Ontario College of Education, as provided in Section 15 (2), may complete their standing for a certificate by re-writing, at an annual examination, the examination in the subject in which they failed.

(*b*) Candidates who failed at an examination under former Regulations and who were exempted from subsequent attendance at the Ontario College of Education shall take, not later than a date determined in each case by the Minister of Education, the final examination papers as prescribed herein but their standing shall be determined in the subjects as constituted under the regulations in force when they first wrote.

(*c*) Candidates who have been exempted by the Minister of Education from attendance at the Ontario College of Education because they hold Permanent First Class[2] certificates issued on the completion of a second session of attendance at a Provincial Teachers' College, or because they hold Permanent First Class[2] certificates and for at least the last two years of their teaching experience have been graded better than "Average" by the Inspectors on the Teachers' Record Cards, and who are required to write on the final examinations of the Ontario College of Education shall present to the College, on or before February 15th of the year in which they write the final examinations of the High School Assistants' course, Type B, evidence of graduation as required by Section 10 (1) (*e*)[1]; they shall take the prescribed final examinations in the subjects of Part I, and shall also satisfy the examiners that they are competent to teach efficiently the subjects of the High School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

(2) The pass standard for candidates exempt from attendance shall be the same as that for candidates in attendance, as required by Section

[1]From candidates exempted from attendance by the Minister, the College will accept in lieu of the actual certificate of graduation, an official statement from the candidate's university that the candidate has completed the work for the degree on or before February 15th of the year in which he presents himself to write the final examinations of the College, and that he will receive the degree at the next regular Convocation of his university.

[2]Now called the Elementary-School Teacher's certificate.

15 (1), but no allowance shall be made for sessional work, if any, in the case of candidates not in attendance.

(3) (*a*) Candidates exempt from attendance at the Ontario College of Education under (1) (*c*) above or (4) (*a*) below shall take their practical tests in Part II at such times during the session as may be agreed upon with the examiners, but not later than May 1st. They shall take their examinations in the subjects of Part I at one annual examination at the close of the session on dates to be determined by the examiners.

(*b*) Candidates exempt from attendance may take their written examinations in Part I at the Ontario College of Education, Toronto, or at one of the Provincial Teachers' Colleges outside of Toronto or, in the case of candidates who live in Provincial Districts, at approved local centres where inspectors of schools are available as presiding officers.

(*c*) Candidates exempt from attendance shall take their practical tests at the Ontario College of Education, Toronto, or, in special cases, at local centres under the supervision of the visiting Provincial Inspector. The conditions that determine these cases may be learned from the Ontario College of Education on application at the beginning of the session. A candidate who has failed in the practical tests at the Ontario College of Education or under a Provincial Inspector shall not be admitted to a second practical test during the same College session.

(4) (*a*) Candidates who have fulfilled the requirements for admission to the High School Assistants' course, Type B, and (i) who hold Ontario First Class[2] certificates issued on the completion of one session of attendance at an Ontario Teachers' College and have had at least three years of successful teaching experience[1] in the Public, Separate, or Continuation Schools of Ontario, or (ii) who hold Permanent Second Class certificates issued on the completion of one session of attendance at an Ontario Teachers' College and have had at least six years of successful teaching experience in the Public or Separate Schools of Ontario, or (iii) who hold Permanent Second Class certificates issued on the completion of a second session of attendance at an Ontario Teachers' College, or (iv) who hold interim Vocational certificates and have had at least two years of successful teaching experience in the Vocational Schools of Ontario, shall be exempted from attendance at the Ontario College of Education but shall attend the Summer course for a High School Assistant's certificate, Type B, conducted by the Department of Education, and shall take the final examinations of the Summer course in the prescribed subjects of Part I. They shall also satisfy the examiners that they are competent to teach efficiently the subjects of the Secondary School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or

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[1]Service personnel may count a year of service for a year of teaching experience, up to a maximum of two years, but *such candidates will be required to take a practical test in teaching.*

[2]Now called the Elementary-School Teacher's certificate.

Continuation Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

(*b*) A candidate who has been duly admitted to the Summer Session for the High School Assistant's certificate, Type B, who attends throughout the session, and who successfully passes the examinations at the close of the session, may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim High School Assistant's certificate, Type B. The recommendation, however, will be withheld until the candidate has satisfied the examiners as indicated in (4) (*a*) above that he is competent to teach efficiently the subjects of the High School courses.

(*c*) Candidates who have obtained Interim Vocational certificates by attendance at the Ontario Training College for Technical Teachers or the Ontario College of Education, and who in addition to the practice teaching lessons required for a Vocational certificate, have taught to the satisfaction of the staff of the Ontario College of Education, at least ten lessons in academic subjects (English, Mathematics and Science) shall be exempted from the practical test in teaching.

(*d*) Candidates who have attended the Summer Course or have been exempted from attendance under (i) (*c*) above, and who fail in one or more of the various tests prescribed for an Interim High School Assistant's certificate, Type B, may complete their standing for said certificate under the following conditions: (i) candidates who fail in the practical test in teaching shall be admitted to a second test in a subsequent College Session; (ii) candidates who fail in more than one subject of Part I shall rewrite at one annual examination of the College Session the examinations in all prescribed subjects of Part I; (iii) candidates who fail in not more than one subject of Part I may rewrite at an annual examination of the College Session, the examination in the subject in which they failed; (iv) candidates who do not pass the final examinations of the Summer Session will be required to take the final examinations of the regular College Session within three years of having attended a Summer Session in this course, or must re-attend the Summer Session in order to be eligible for admission to the examinations for an Interim High School Assistant's certificate, Type B.

(*e*) Other candidates who hold an Ontario First[2] or Second Class certificate with the academic standing required for admission to the High School Assistants' course, Type B, shall be exempted from attendance during the Autumn term[1]; but shall take all sessional tests held in the Winter and Spring terms and all the final examinations prescribed for Part I and shall also satisfy the examiners by practical tests that they are able to teach the subjects of the Secondary School courses.

[1]Application for admission to the College at the beginning of the second term in January should be made not later than December 1st. Enrolment in January may be limited according to the available accommodation.

[2]Now called the Elementary-School Teacher's certificate.

LETTER OF STANDING

16. (1) Candidates who have fulfilled the requirements for admission to the Course leading to the Interim High School Assistant's certificate, Type B, and who are exempted by the Minister of Education from attendance at the Ontario College of Education on account of equivalent training in other provinces of Canada or in other countries of the British Commonwealth of Nations, may be granted a *Letter of Standing* by the Minister valid, for not more than one year from the date of issue, in a secondary school, or in Grades IX and X of an elementary school.

(*a*) Before being granted a *Letter of Standing* an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education.

(*b*) Before being granted a *Letter of Standing* an applicant must submit a certificate from a competent authority that he is a British subject.

(2) On the statement of the Principal that the candidate has taught successfully for one year under the authority of a *Letter of Standing*, he may be recommended by the Inspector concerned for the Interim High School Assistant's certificate, Type B.

COURSES FOR INTERIM HIGH SCHOOL ASSISTANTS' CERTIFICATES, TYPE A

CONDITIONS OF ADMISSION

17. (1) Applicants for admission to the courses for Interim High School Assistants' certificates, Type A, or to the final examinations for said certificates, shall also be applicants for admission to the course for the Interim High School Assistant's certificate, Type B, or shall be applicants for admission to the examinations therefor without attendance throughout the session, or shall already hold High School Assistants' certificates. No candidate will be awarded an Interim High School Assistant's certificate, Type A, or receive credit towards said certificate *before* he has been awarded an Interim High School Assistant's certificate, Type B.[1]

(2) A candidate for an Interim High School Assistant's certificate, Type A, who is also a candidate for admission to the course for an Interim High School Assistant's certificate, Type B, shall comply with the conditions for admission prescribed for candidates for the Interim High School Assistant's certificate, Type B, and shall submit evidence of standing not lower than 66% in the final or graduation courses approved by the Minister of Education.

(3) The applicant whose standing is below 66% but not lower than 60% in these approved courses will be admitted to the final examinations leading to the Interim High School Assistant's certificate, Type A, on submitting evidence from the Principal and High School Inspector of at least five years' teaching experience, graded better than average, in a Secondary School of Ontario subsequent to obtaining the academic standing referred to above.

[1]See Section 1 (2).

COURSES[1]

18. (1) Courses shall be offered for Interim High School Assistants' certificates, Type A, in Agriculture, Classics, English, English and French, English and German, English and Latin, English and Spanish, Geography, History, French and German, French and Italian, French and Spanish, Latin and French, Latin and Greek, Mathematics, Mathematics and Physics, Science, Physics and Chemistry, Physics and Biology, Chemistry and Biology, and Home Economics.

(2) Courses shall also be offered leading to Interim High School Assistants' certificates, Type A, in Physical Education, Art, Instrumental Music, and Vocal Music, under the conditions defined in Section 26.

(3) Each Type A course shall consist of at least the equivalent of two seminar-periods per week throughout the Session and of special Observation and Practice-teaching in the subjects in which the candidate is an applicant for a High School Assistant's certificate, Type A.

TEXT-BOOKS

19. Students in the courses for High School Assistants' certificates, Type A, shall supply themselves with such text-books as may be recommended by the instructors.

EXAMINATIONS

20. (1) Subject to the condition that no student may be awarded an Interim High School Assistant's certificate, Type A, who does not already hold or is not also awarded an Interim High School Assistant's certificate, Type B, the final standing of students in attendance in the High School Assistants' courses, Type A, shall be determined by the records of the Practice-teaching in the department or subject concerned, and by the combined results of the sessional records and the records of the final examinations in the same department or subject. The sessional records represent oral and written exercises, practical work, practice in preparing examination papers, and in valuing the answer-papers of pupils, and such term work as the instructors may prescribe. The records of the final examinations shall be based upon two examination papers taken in each department at the close of the session. The maximum marks represented in the Practice-teaching shall be 100; in the sessional records 40; and in the final written examinations of the department or subject 60.

(2) The final standing of students not in attendance shall be determined by the final written examinations and by teaching in the department concerned. For this purpose the maximum of marks in each case shall be 100.

CERTIFICATES

21. (1) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A,

[1]See footnotes 1, 2, page 16

referred to in Section 18 to students in attendance who have fulfilled the conditions of the course for the Interim High School Assistant's certificate, Type B, and in their High School Assistants' course, Type A, have obtained (*a*) 66% of the aggregate of marks represented in the sessional records and the records of the final examinations and (*b*) 66% of the marks assigned to the Practice-teaching.

(2) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A, of Section 18 (1) to students exempt from attendance who hold or are awarded High School Assistants' certificates, who are duly qualified for admission to a High School Assistants' course, Type A, and who obtain 66% of the marks assigned to the written examinations and to the Practice-teaching, respectively, in the High School Assistants' course, Type A, concerned.

(3) Students who are awarded Interim High School Assistants' certificates, Type A, in Home Economics under (1) and (2) above and who hold or obtain First[1] or Second Class certificates may have their High School Assistants' certificates, Type A, endorsed as valid in the Home Economics departments of the Public and Separate Schools.

(4) (*a*) For students not in attendance the written examinations in the courses for Interim High School Assistants' certificates, Type A, of Section 18 (1) will be held at the close of the session at such centres and under such conditions as are set out in Section 15 (3).

(*b*) For students not in attendance the practical examinations shall be held at the Ontario College of Education, Toronto, or at local centres as prescribed in Section 15 (3).

SUPPLEMENTARY COURSES[2]

22. Students in attendance in the High School Assistants' course, Type B, may take also *one*[3] of the following Supplementary courses:

I. Course for the Elementary Physical Education certificate, Type A.
II. Course for the Elementary Art certificate.
III. Course for the Elementary Vocal Music certificate, Type A.
IV. Course for the Elementary Instrumental Music certificate, Type A.
V. Course for the Elementary Commercial certificate.[4]
VI. Course for the Elementary Industrial Arts certificate, Type A.[5]
VII. Course for the Elementary Certificate in Home Economics.

[1]Now called the Elementary-School Teacher's certificate.

[2]Students taking the High School Assistants' courses, Type A in Physical Education, Art, Vocal Music, Instrumental Music, or Home Economics are responsible for the Elementary course, or in the case of Home Economics the Intermediate course, in these subjects and may not take a supplementary course in another field.

[3]Any student may, with the approval of the instructor, take the Ele-

VIII. Course for the Intermediate Home Economics certificate.[6]
IX. Course for the Interim Elementary-School Teacher's certificate.

Within one month of the beginning of the above Supplementary courses, the student shall satisfy the instructor of the Supplementary course he has chosen that he is adapted to the study of the course, or his registraton ini the Supplementary course shall be cancelled.

23. (1) The subjects of supplementary courses I–IX shall be those set forth in Sections 52–63 and 31, respectively. Observation and Practice-teaching are obligatory in each of these supplementary courses.

(2) Students in supplementary courses I–IX shall supply themselves with such text-books and equipment as may be recommended.

EXAMINATIONS OF SUPPLEMENTARY COURSES I–VIII[7]

24. (1) PHYSICAL EDUCATION:

Practical Tests:

FOR WOMEN: Fundamental Movements, Dance, General Activities, Games.

FOR MEN: Basic Drill, Gymnastics, Apparatus, Games, Swimming.

Fifty per cent of the marks in each of the practical tests shall be assigned to the sessional and fifty per cent to the final tests.

Written Examination:

Theory, Methods and Materials.

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mentary courses in both Vocal Music and Instrumental Music.

[4]Admission to this course is restricted to students who submit evidence of having a satisfactory functional knowledge of the elementary principles of Bookkeeping, Shorthand and Typewriting, or of having successfully completed an approved course in Bookkeeping, Shorthand and Typewriting in a Vocational secondary school or at a university. A student who submits the required evidence with respect to *two* of the three subjects mentioned above may be allowed by the Dean to proceed with the course. A supplementary course for beginners in Bookkeeping, Shorthand, Typewriting and Penmanship is also open fo any one who wishes to commence the study of these subjects with the intention of continuing in commercial education. Upon the successful completion of the beginners' course, a subsequent Summer Session would be required to obtain the Elementary certificate.

[5]The Supplementary courses leading to the Interim Elementary-School Teacher's certificate and to the Interim Elementary Type A certificate in Industrial Arts may not be completed in the regular College session, but require one subsequent Summer session before the candidates will be recommended for the certificates.

[6]Admission to this course is restricted to students who submit evidence of graduation, with a standing not lower than 60% in the Home Economics of the final year from a University course approved by the Minister of Education in which, for at least the last two years of the course, Home Economics has been a regular subject of study.

[7]See Section 29 for Course IX.

(2) ART:

Practical Tests:

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering.

Written Examinations:

Theory and History of Art, Methods of Teaching Art.

(3) VOCAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Voice Training and Song Material, Conducting.

Written Examinations:

Rudiments of Music, Music Appreciation, Methods.

(4) INSTRUMENTAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Technical Training, Conducting.

Written Examination:

Methods.

(5) COMMERCIAL SUBJECTS:

Practical Tests:

Shorthand Practice, Typewriting, Penmanship.

Written Examinations:

Shorthand Theory, Bookkeeping, Methods.

(6) INDUSTRIAL ARTS:

Practical Tests:

Draughting, Woodworking, Sheet Metal Work, Machine Shop Practice.

Written Examination:

Methods of instruction and class organization of the General Shop.

(7) HOME ECONOMICS—ELEMENTARY COURSE:

Practical Tests:

Personal, family and social relationships; The home; Food and Nutrition; Clothing and textiles.

Written Examination:

Theory and Methods, Grades IX and X.

(8) HOME ECONOMICS—INTERMEDIATE COURSE:

Practical Tests:

Meal Management; Care of the Home and Family; Clothing—Selection, Construction and Care.

Written Examination:

Theory and Methods. Parts I and II

CERTIFICATES FOR SUPPLEMENTARY COURSES I–VIII[1,2]

25. (1) On the recommendation of the examiners the Minister of Education may grant an Elementary certificate in Art or an Elementary Certificate in Home Economics or an Elementary Commercial certificate or an Elementary Type A certificate in Physical Education or Vocal Music or Instrumental Music or an Intermediate certificate in Home Economics, or standing in Part I of the course for the Elementary Type A certificate in Industrial Arts, as the case may be, to a student in the course for an Interim High School Assistant's certificate, Type B, provided that the said student is awarded an Interim High School Assistant's certificate, Type B, and obtains a minimum of 60% of the marks assigned to practice-teaching and (*a*) in Art or Physical Education or Industrial Arts a minimum of 50% of the marks assigned to each subject of the written examination and 60% of the marks assigned to each subject of the practical tests, or (*b*) in Commercial subjects a minimum of 50% of the marks assigned to each subject, or (*c*) in Vocal Music or Instrumental Music or Elementary Home Economics or Intermediate Home Economics a minimum of 60% of the marks assigned to each subject of the written examination and practical tests.

No student shall be recommended for a certificate or for standing in Art or Physical Education or Vocal Music or Instrumental Music or Industrial Arts or Home Economics or Commercial Subjects whose attendance or progress in any part of the course has been reported as unsatisfactory.

(2) The Dean shall investigate the claims of the candidates for the Elementary Type A certificate in Physical Education who report themselves as unable for physical reasons to take the course in swimming, provided that such claims are presented to the instructor on a form and after a manner defined by the Minister of Education. Candidates who are exempted by medical certificate from the course in swimming and candidates who have failed to obtain pass standing in the course in swimming may be awarded Elementary Type A Physical Education certificates endorsed "not including swimming".

(3) On the recommendation of the examiners, the Minister of Education may permit candidates in the supplementary courses I–VIII who **have been awarded Interim High School Assistants' certificates, Type B, and have obtained a minimum of 60% of the marks assigned to practice-**

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[1]The certificates which are mentioned herein are those valid for teaching in High Schools, i.e., in Physical Education, the Elementary Type A, and the Type A; in Vocal Music and Instrumental Music, the Elementary Type A, and the Type A; in Art, the Elementary and the Type A; in Industrial Arts, the Elementary Type A; in Home Economics, the Elementary and the Intermediate; and in Commercial Subjects, the Elementary.

[2]See Section 33 for Course IX.

teaching but have failed to obtain standing in their respective courses to complete their standing in said courses under the following conditions:

(i) In Physical Education or Industrial Arts or Home Economics, candidates who fail in the written examination, but pass in all the subjects of the practical tests may complete their standing by passing in the written examination at a subsequent examination without further attendance; candidates who pass in the written examination but fail in one or more of the subjects of the practical tests may complete their standing by passing in the subjects concerned at a subsequent Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(ii) In Art or Vocal Music or Instrumental Music, candidates who fail in not more than two subjects of the written and practical tests may complete their standing by passing in the subjects concerned at a subsequent examination without further attendance, but in the subjects of the practical tests such candidates must try the tests conducted at the Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(iii) In the Commercial course, candidates shall be allowed credit towards an Elementary certificate in the subject or subjects in which they are successful.

COURSES FOR THE HIGH SCHOOL ASSISTANTS' TYPE A CERTIFICATES IN PHYSICAL EDUCATION, ART, VOCAL MUSIC, AND INSTRUMENTAL MUSIC

26. (1) Admission to the High School Assistants' course, Type A, in Physical Education as well as the Elementary course in Physical Education will be granted to students (i) who hold the degree of Bachelor of Physical and Health Education of the University of Toronto with a final standing not lower than 60%, or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and who hold the degree of Bachelor of Physical and Health Education of Queen's University with a final standing not lower than 60%, or (iii) who hold the degree of Bachelor of Arts of the University of Western Ontario obtained in the honour course[1] in Physical Health and Recreation Education, with a final standing not lower than 60%.

(2) Admission to the High School Assistants' course, Type A, in Art as well as the Elementary course in Art will be granted to students who hold the degree of Bachelor of Arts of the University of Toronto obtained in the honour course in Fine Art or in Art and Archaeology with a final standing of not lower than 66%.

(3) Admission to the High School Assistants' course, Type A, in Vocal Music[2] will be granted to students (i) who hold either the degree

[1]Graduates of this course with the Recreation option are not eligible for the Type A course in Physical and Health Education.

[2]Students of the Type A course in Vocal Music may, with the approval of the instructor, take the Elementary course in Instrumental Music.

of Bachelor of Arts of the University of Toronto obtained in the honour course in Music or the Bachelor of Music degree of the University of Toronto obtained in the course in School Music,[1] with a standing of at least 60 per cent., or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the degree of Bachelor of Music of the University of Toronto obtained in the course in General Music, or (iii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the teacher's or performer's diploma of the Royal Conservatory of Music of Toronto, or the Special Music certificate of Queen's University, or the Associate (teacher's) diploma of the Western Ontario Conservatory of Music, or the Diploma of Music Graduate in Pedagogy of the University of Western Ontario.

Admission to the High School Assistants' Course, Type A, in Instrumental Music will be granted to students who hold the Bachelor of Music Degree of the University of Toronto obtained in the course in School Music.[1]

27. Students admitted to the High School Assistants' course, Type A, in Physical Education, Art, Vocal Music or Instrumental Music under Section 26 shall supply themselves with such text-books and equipment as may be recommended by the instructors.

CERTIFICATES

28. (1) On the recommendation of the examiners, the Minister of Education may grant High School Assistants' certificates, Type A, in Physical Education, Art, Vocal Music or Instrumental Music to those admitted under Section 26 who fulfil the conditions stated in Sections 20 and 21 (1).

(2) Students who are awarded Interim High School Assistants' certificates, Type A, in Physical Education, Art, Vocal Music or Instrumental Music under Section 26 and who hold, or obtain, Second or First Class[2] certificates may also be awarded Supervisors' certificates valid in Public and Separate Schools.

29. COURSE FOR THE INTERIM ELEMENTARY-SCHOOL TEACHER'S CERTIFICATE[3]

The course is conducted in accordance with the conditions prescribed in the Regulations, Examinations and Courses of Study of the Ontario Teachers' Colleges. It may not be completed in the regular College session but requires a subsequent Summer Session before the candidates will be recommended for the certificate.

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[1]This refers to the degree in the course in School Music of the University of Toronto, introduced in 1946.

[2]Now called the Elementary-School Teacher's certificate.

[3]Course IX as listed in Section 22.

CONDITIONS OF ADMISSION

30. (1) Applicants for admission to the course for the Interim Elementary-School Teacher's certificate or to the final examinations for said certificate shall comply with the conditions of admission and attendance prescribed for candidates for the Interim High School Assistant's certificate, Type B. No candidate will be awarded an Interim Elementary-School Teacher's certificate before he has been awarded an Interim High School Assistant's certificate, Type B.

TEXT-BOOKS

(2) The text-books for the academic work of the course shall be those prescribed in each subject for the High, Public and Separate Schools.

PROGRAMME OF STUDIES

31. The course of training, which is supplementary to the course of training for the Interim High School Assistant's certificate, Type B, includes the following subjects some of which will be offered in the regular College session, the remainder in a Summer Session:

Part I: Educational Psychology; School Management; English, Part I; English, Part II; Mathematics; Social Studies; Science and Agriculture; Art; Music; Physical Education; Health; Industrial Arts.

In the development of the methodology of the course, emphasis shall be laid upon the correlation and integration of the subjects, and upon the importance of wholesome, vigorous, shared activities, directly connected with the learner's capacities and interests. The teacher's main function shall be represented as the stimulation and guidance of the learner, through the control of the regulating environment of the school; this postulates freedom and responsibility for the teacher and demands positive, definite teaching.

Part II: Observation and Practice-teaching—at least ten full days—to be conducted under conditions defined in Ontario Teachers' College courses for the Interim Elementary-School Teacher's certificate.

EXAMINATIONS

32. (1) Subject to the condition that no student may be awarded an Interim Elementary-School Teacher's certificate who is not also awarded an Interim High School Assistant's certificate, Type B, the final standing of the students in attendance in the course for an Interim Elementary-School Teacher's certificate shall be determined by the records of the Observation and Practice-teaching and by the combined results of the

sessional records and the records of the final examinations in such course. Subject to the same condition, the final standing of candidates not in attendance shall be determined by the records of the final written examinations and of Practice-teaching.

(2) The examinations in the subjects of the course for an Interim Elementary-School Teacher's certificate shall be conducted, *pari passu*, in the terms and under the conditions set out in the Teachers' College Courses for the Interim Elementary-School Teacher's certificate.

CERTIFICATES

33. (1) (*a*) Subject to the conditions of Section 32 (1), and to the conditions defined in Ontario Teachers' College courses for the Interim Elementary-School Teacher's certificate, a candidate who obtains 60% of the marks in each subject of the course and 60% of the aggregate of the marks in each of Observation and Practice-teaching may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim Elementary-School Teacher's certificate.

(*b*) Subject to the same conditions, a candidate who passes in Observation and Practice-teaching and fails in not more than two subjects shall be exempted from further attendance and may complete his course for an Interim Elementary-School Teacher's certificate by rewriting at one annual examination the examinations in the subject or subjects in which he failed.

(2) All candidates other than those referred to in (1) (*b*) above who have failed to obtain the necessary final standing will be required to attend such other sessions as the Minister may prescribe.

(3) Section 15 (1) (*a*), (*b*), (2) and (3) (*b*), which apply to the candidates for the Interim High School Assistant's certificate, Type B, who are exempt from attendance, shall apply also, *pari passu*, to candidates for the Interm Elementary-School Teacher's certificate who are exempt from attendance.

(4) The Regulations of the Department of Education respecting Permanent Elementary-School Teachers' certificates are contained in the Department's Circular No. 72. Holders of Interim Elementary-School Teachers' certificates obtained after training at the Ontario College of Education are referred to Regulations III (2).

DETAILS OF SUBJECTS

34. The details of the subjects of the courses for Interim High School Assistants' certificates, Types A and B, for Elementary certificates in Physical Education, for Elementary certificates in Art, for Elementary certificates in Instrumental Music and Vocal Music, for Elementary

certificates in Home Economics, for Intermediate certificates in Home Economics, and for standing in Elementary Industrial Arts, are set out below.

For the course for the Interim Elementary-School Teachers' certificate these details and subjects shall be supplemented by the details and subjects set out in the Teachers' College courses for the Interim Elementary-School Teachers' certificate.

INTRODUCTION TO EDUCATION

35. The nature, foundations and status of Educational Theory: historical review and consideration of purposes and aims of education.

The significance for modern educational thought and practice, of broadly distinctive schools of philosophy: survey of the values and practices emphasized by outstanding educationists, particularly, but not exclusively, of the last two centuries.

Current educational thought: contemporary aims, problems and practices in education, with particular reference to secondary education.

School and society: relationship of school to the home and other educational agencies in the community.

EDUCATIONAL PSYCHOLOGY

36. (i) The psychology of adolescence.
(ii) The psychology of adjustment.
(iii) The mental health of the pupil and teacher.
(iv) The psychology of learning.
(v) Intelligence: individual differences.

SCHOOL MANAGEMENT AND LAW

37. School Management, School Organization, School Administration; aims and scope of each; relation of each to the teaching process.

The Ontario school system: Department of Education, and its organization and functions; local administrative units; school boards, their selection, organization and functions; types of schools; school finance and business administration; relation to other public services.

The High School plant: provision, maintenance, care and use; special accommodations; relation to community activities.

The High School curriculum: aim, structure and use; texts; extra-curricular activities.

The High School pupil: attendance, rights, duties, guidance.

The High School teacher: professional status; personal qualifications; training and certification; appointment, tenure, payment, superannuation; duties in relation to trustees, parents and other citizens; duties in relation to supervisors, colleagues and pupils; freedom and responsibility.

High School organization: admission, exclusion, classification, grading, promotion, tests of progress, records and reports, recommendations, staff-meetings, time-tables, supervised study, homework.

Supervision: inspectors, principals, heads of departments; their powers and duties.

Discipline: aim and scope; relation to methods of teaching; incentives; causes of disorder and inattention; methods of dealing with weaknesses and delinquencies.

School Law and Regulations: Public Health Acts and Regulations in so far as they refer to the duties of school boards, teachers and pupils.

ENGLISH

38. (1) *Literature.*—The place of literature in school courses; the principles followed in Ontario and elsewhere in arranging literature courses for schools; books suitable for intensive and extensive study in the various forms or grades of the school; class treatment of such types of literature as the short poem, the long narrative poem, the play, the essay, the short story, and the novel; examinations in literature; supplementary reading, its importance, selection of books, testing of reading.

The course in literature includes a consideration of the problems connected with the teaching of silent and expressive reading.

(2) *Composition.*—The aim in teaching composition; principles to be followed in arranging a course; the place of grammar and of rhetoric in the High School course; the use of models; choice and variety in subjects; assigning, valuing and correcting compositions; special problems of oral composition.

SEMINAR IN ENGLISH

For Type A candidates in English and, in part, English and French, and English and Latin.

39. A consideration of the following phases of the teaching of English: (*a*) courses of study, (*b*) presentation of difficult topics, (*c*) special methods of teaching.

SOCIAL STUDIES: GEOGRAPHY AND HISTORY

40. Place and objectives of the Social Studies in the secondary school curriculum; nature of Social Studies, Geography, and History, as subjects; course of study in the Intermediate and Senior Divisions in Ontario; demonstration and discussion of teaching procedures: planning a course of study; standards and examinations; books and other equipment.

41. SEMINARS IN GEOGRAPHY AND IN HISTORY.

For Type A candidates in Geography and in History.

Teaching and discussion of selected topics from the courses of study in the Senior Division; the role of the specialist teacher.

MATHEMATICS

42. *General Mathematics.*—The content and methodology of the courses for Grades IX and X, including commercial arithmetic and mensuration.

Algebra and Geometry.—The content and methodology of the prescribed courses of study in Grades XI and XII of the Secondary Schools.

SEMINAR IN MATHEMATICS

For Type A Candidates in Mathematics and, in part, Mathematics and Physics.

43. The seminar in mathematics will discuss methods in trigonometry and statics and the more advanced parts of Algebra and geometry; the order of presenting the parts of these subjects so as to secure the most logical and impressive relation among the parts; the relations of the subjects themselves; the place of the teacher in dealing with more mature minds; the history and development of such special topics as the algebraic equation, the vulgar and decimal fraction, loci, maxima and minima, the more difficult theorems on the conic sections; examinations in mathematics, their purpose, when they should be held, the character of the paper, methods of marking, making the classroom attractive with pictures and mathematical equipment, mathematical books to interest pupils and teachers, etc.

SCIENCE

44. *General Science.*—The content and methodology of the courses for Grades IX and X. Emphasis on the use of living specimens in the teaching of biology; other visual aids such as preserved specimens, diagrams, charts, models, photographs, lantern slides, films, microprojectors; laboratory classes; demonstration experiments; pupils' reports; classroom discussion in relation to experimental work.

Physics and Chemistry.—The content and methodology of the prescribed courses for Grades XI and XII. Methods of conducting laboratory classes; demonstration experiments; the care and use of equipment; Pevelopment (inductively) of the laws of physics and chemistry.

SEMINAR IN SCIENCE

For Type A candidates in Science *or* Physics and Chemistry *or* Physics and Biology *or* Chemistry and Biology and, in part, Mathematics and Physics.

45. Methods of presenting the topics prescribed for study in Grade XIII physics, chemistry, and biology during the current year. The purchase, storing, maintenance and repair of apparatus; the organization of the science programme; science clubs; the keeping of living animals and plants. The seminars in each of physics, chemistry and biology are conducted separately.

SEMINAR IN AGRICULTURE

For Type A Candidates in Agriculture[1]

46. The History of agricultural education in the United States and Canada and particularly in Ontario: developments prior to 1904; developments since 1904; the influence of Departmental regulations, the Ontario Agricultural College, Summer Courses and various organizations in the development of agricultural education; the present regulations of the Department of Education and their relation to the teaching of Agriculture in the elementary and secondary schools and Teachers' Colleges; qualifications of teachers; relations of school boards and teachers; provisions for inspection and reports; elective courses, and vocational agricultural courses in secondary schools.

Equipment and methods; special equipment needed for agricultural topics; arrangement of laboratory and classroom; storage and care of apparatus; preparation of illustrative material and charts; the projection lantern; the moving picture machine; agricultural periodicals, reference books and other sources of information; the school garden, planning and care; beautification of school grounds; home projects and collections; planning of courses; types of lessons; use of illustrative material; correlation of the science subjects in courses in agriculture.

CLASSICS (LATIN AND GREEK)

47. The relation of method in teaching Latin or Greek to linguistic method in general; the effect of the object of teaching Latin or Greek upon the method in various departments, such as oral reading, grammar, translation, sight reading, and the literary or historical content; illustration of methods in typical lessons.

Pronunciation; oral reading, sight reading, and English translation as prescribed for Grades XI and XII; general principles of word-structure and sentence-structure; word order; methods of teaching the parts of a lesson; topics of inflection and syntax as found in the Latin and Greek Books; special emphasis on difficult topics.

The course will stress oral practice in Latin.

SEMINAR IN CLASSICS

For Type A Candidates in Classics, Latin and Greek, and, in part, Latin and French, and English and Latin

48. In the seminar in Classics, the topics treated will be those which are germane to the teaching of the Latin and Greek authors and prose prescribed for study in Grade XIII during the current year. These will include:

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[1]Candidates for the High School Assistant's certificate, Type A, in Agriculture shall take also the Science of the course for the High School Assistant's certificate, Type B.

A study of adequate translation of the works of Latin and Greek authors.

Appreciation of the art of Horace, Virgil, Catullus, and Homer.

The Philosophy of Horace.

The legacy of Greece and Rome.

The teaching of the following metres: Hexameter, Elegiac, Sapphic, Alcaic.

The different types of poetry represented in the prescribed authors and the debt of English writers to classical originals.

The teaching of Latin continuous prose composition.

The morphology and syntax of Attic Greek together with a general treatment of the principles of Greek accent.

FRENCH, GERMAN, SPANISH OR ITALIAN

49. Pronunciation: Study of sounds and their spelling; phonetic symbols; devices for teaching; intonation exercises; dictation; singing.

Course of Studies in Grades IX and X: Introductory lessons, including conversational work for beginners; reading for comprehension; vocabulary building; conversation based on reading; paraphrasing; dictation; functional grammar, stressing the verb and pronoun.

Course of Studies in Grades XI and XII: Methods of conducting reading; increased emphasis placed on writing; grammar; translation from English into the foreign language; supplementary reading; testing.

Illustration of methods in typical lessons.

The course will stress oral practice in the foreign language.

SEMINAR IN MODERN LANGUAGES

For Type A Candidates in French and German *or* Spanish *or* Italian, and in part, Latin and French, English and French *or* German *or* Spanish.

50. In the seminar in Modern Languages, stress will be laid upon methods of presenting the work to be studied in Grade XIII during the current year.

Topics treated will include: Teaching of advanced grammar and prose composition; correction of written work; conducting of reading lessons; sight reading; supplementary reading; free composition; conversation; making of examinations; use of dictionaries and books of reference.

SEMINAR IN HOME ECONOMICS

(For Type A Candidates)

51. The development of Home Economics in Ontario schools. Present trends, values and aims.

Responsibilities of the home economics teacher for curricular and extra-curricular programmes.

Curricula: materials, procedures, content.

Teaching methods and techniques currently applied in this field.

Evaluation: objectives and materials.

The home economics classroom: selection, placement and care of furnishings and equipment.

Records, budgets, regulations.

The above topics will be presented, explored, discussed and demonstrated in regular seminars and accompanying demonstration classes.

PHYSICAL EDUCATION

52. This course is outlined in the Courses of Study for Grades IX-XIII issued by the Ontario Department of Education.

COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Theory, Methods and Materials (for men and women).

Practice (for men):

- **(*a*) Basic Drill.**
- **(*b*) Gymnastics.**
- **(*c*) Apparatus.**
- **(*d*) Games.**
- **(*e*) Swimming.**

Practice (for women):

- (*a*) Fundamental Movements.
- (*b*) Dance.
- (*c*) General Activities.
- (*d*) Games.

SEMINAR IN PHYSICAL EDUCATION

For High School Assistants', Type A Candidates

53. (1) Organization and administration, including the following:

- **(*a*) aims, objectives and policies,**
- **(*b*) selection and grading of teaching material,**
- **(*c*) marking and testing,**
- **(*d*) planning the curricular and extracurricular programmes.**

(2) Methods and survey of material (Women):

(*a*) Physical Education—fundamental movements, dance, general activities, games, swimming.

- **(*b*) Health Education—anatomy, physiology, body mechanics, first aid, healthful living, child study.**

(3) Methods and survey of material (Men):

(*a*) Physical Education—basic drill, gymnastics, apparatus, games, swimming,

(*b*) Health Education—anatomy and physiology, first aid, safety education, healthful living.

ART

54. COURSE FOR THE ELEMENTARY CERTIFICATE

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering, Theory and History of Art, Methods of Teaching Art.

SEMINAR IN ART

For High School Assistants', Type A Candidates

55. The seminar in Art will discuss classroom methods and problems relating to the advanced grades. Special emphasis will be given to (*a*) the securing, organizing and use of illustrative source material, such as slides, prints and exhibitions which can be used to interpret and intensify the study of art history and art criticism; (*b*) a more advanced study of the theory, history and practice of art.

VOCAL MUSIC

56. COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Voice Training and Song Material:

The adolescent voice; choral singing; practice in tone production, intonation, diction, and breath control; blending of voices in part singing; interpretation; analysis of song material for Grades IX and X.

Conducting:

The conducting patterns of common metres; special problems: attack and release, incomplete bars, expression, use of the left hand.

Rudiments of Music:

Notation (notes, rests, clefs); intervals and their inversion; metre and rhythm; scales (diatonic and chromatic); transposition; musical terms, abbreviations and ornaments.

Music Appreciation:

Teaching of the topics prescribed for Grades IX and X; the human voice, musical instruments, elementary form, nationalism, music aesthetics; study of selected compositions through recordings; organization of a course in music appreciation; choice and care of equipment.

Methods:

General principles of music education; analysis of the course for Grades IX and X; voice testing; teaching of rote songs, reading songs, part songs and theory; use of the piano; integration of music with other subjects; the relation of the school orchestra to the vocal programme; elementary scoring and transposition for instruments.

INSTRUMENTAL MUSIC

57. COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Technical Training:

Fundamentals of tone production and basic fingering in all families of instruments; playing scales, diatonic and chromatic; simple melodies; reading orchestral scores of elementary range; construction and care of all types of instruments.

Conducting:

The conducting patterns of common metres; special problems of conducting in instrumental groups.

Methods:

General principles of organization and instruction of instrumental classes; special methods of class teaching for strings, band classes, or combined groups.

NOTE: This is a practical course, with the emphasis laid on two essential points, (i) individual mastery of instruments;
(ii) methods of class teaching.

SEMINAR IN VOCAL MUSIC

For High School Assistants', Type A Candidates

58. *Sight Singing and Ear Training:*

Sight reading of songs based on the theory prescribed for Grade XIII; extraneous modulation; singing of major scales from any note in the scale

to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords listed below for harmony; detection of errors in the performance of more advanced part songs.

Voice Training and Song Material:

Advanced study of topics listed in the Elementary Type A Course through choral works; unaccompanied singing; modern theories of voice training; the teaching of special classes in voice training; selection of song, choral and operatic material for Grade XIII classes, public performances and festivals.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Operetta:

The detailed study and preparation of an operetta for public performance.

Music Appreciation:

Teaching of the topics prescribed for Grade XIII; advanced form, music biography and history, the analysis of selected compositions with special attention to the prescribed works for Grade XIII; use of miniature scores; supplemental reading; evaluation of recordings for school use; use of radio in music appreciation.

Methods:

Modern theories of music education; musical talent and its measurement; the specially gifted pupil; the relation of Secondary School music to music in the Elementary School and to the work of the private teacher; administration; music festivals and adjudication; practice in individual tutorial work; the piano accompaniment of school singing; analysis of the prescribed course for Grade XIII.

SEMINAR IN INSTRUMENTAL MUSIC

For High School Assistants', Type A Candidates

59. *Sight Singing and Ear Training:*

Sight reading of songs based on the theory prescribed for Grade XIII; extraneous modulation; singing of major scales from any note in the scale to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords for harmony; detection of errors in the performance of more advanced part songs.

The Orchestra and Band:

Orchestral playing, organization and conducting; selection of music for Grades IX to XIII class study, for orchestras and bands of Secondary School calibre, and for public performance and festivals.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Arranging:

Transcription and arranging of selections from piano score for full orchestra or band; transposition for all instruments.

Methods:

Advanced study of topics listed in the Elementary Type A course.

Class instruction of instrumental classes, beginners and advanced classes, with all types of instruments.

60. COURSE FOR THE ELEMENTARY COMMERCIAL CERTIFICATE

(1) Shorthand Theory:

The principles of the Isaac Pitman system; writing continuous matter in approved shorthand forms; transcribing sight passages in continuous shorthand.

(2) Shorthand Practice and Transcription:

Writing from dictation for ten minutes, in approved Pitman Shorthand, easy material at the rate of sixty words per minute; transcribing of these notes on a typewriter with blanked keyboard; ten minutes to be allowed for revision of notes, and forty minutes for transcription.

(3) Typewriting:

(*a*) Typing for ten minutes on a typewriter with blanked keyboard at a net rate of thirty words per minute with 1% error or less. (The basis for estimating the number of words shall be five strokes per word.)

(*b*) Application of typewriting to simple problems in setting up business letters, headings, programmes, invitations, announcements, display work, tabular work.

(4) Bookkeeping:

The study of the various aspects of the fundamental equation, including journalizing, posting and the setting up of the financial statements in trading and non-trading organizations.

(5) Penmanship:

Posture, penholding, position of the paper, movement, development of speed, classification of small and capital letters according to similarity of basic principles. Graceful, legible business writing; ledger headings; figures; accounts; marking alphabet; writing on the blackboard.

(6) Methods—Minor:

(*a*) Methods of teaching Business Practice and Bookkeeping: instructional material; testing programme; presenting special topics; text-books; outlining courses; grading papers.

(*b*) Methods of teaching junior Shorthand and Typewriting.

(i) First year in Shorthand: organization of classes and materials; content of course; analysis of text-book; division of time for various sections of the work; various methods of approach; shorthand penmanship; reading of shorthand; how and when to test; the place of theory in junior classes; how and when to introduce transcription.

(ii) First two years in Typewriting: typing room, equipment and supplies; class organization; teacher's preparation; application of general principles to the teaching of typing technique; analysis and prevention of errors; speed development; tests and how to mark them; the second year course; written reports on actual lessons.

61. COURSE FOR THE ELEMENTARY INDUSTRIAL ARTS CERTIFICATE, TYPE A

This course may not be completed in the regular College session but requires a subsequent Summer session before the candidates will be recommended for the certificate.

Draughting: Orthographic projection problems; isometric drawing of rectangular, circular and cylindrical figures; sketching oblique views, geometric drawing; tracing and blue printing.

Woodworking: Nature, structure and characteristics of common woods; the selection and suitability of woods for various purposes; seasoning, defects and grading lumber; cutting out operations, planing, squaring, chiselling and paring; uses of various fastening materials; construction of common joints; various methods of wood finishing and care of brushes; use and care of band saw, variety saw, jig saw and jointer; the wood turning lathe, with elementary turning of single spindle and face plate work; sharpening and care of woodworking tools.

Sheet Metal Work: Laying out patterns, cutting, bending, soldering and rivetting of tin plate and galvanized iron; etching, hammering, planishing and polishing of brass and copper.

Machine Shop Practice: Hand tools and bench work; layout work and elementary machine operations.

Methods of instruction and class organization of the General Shop.

62. COURSE FOR THE ELEMENTARY CERTIFICATE IN HOME ECONOMICS

Principles underlying topics suggested for Grades IX and X, INTERMEDIATE DIVISION. Outline of Course for Experimental Use, 1951, Ontario Department of Education.

Typical classroom procedures.

Acquaintance with suitable source materials.

Contribution of home economics to the school, home, and community.

63. COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

The home economics curriculum: materials, procedures, content.

Fundamental principles, practices, and standards in home and family living.

Problems of organization; methods of teaching; aids to learning; home and classroom equipment. Departmental regulations. Guidance in classroom teaching.

64. DICTION AND VOICE PRODUCTION

General lectures on diction and voice production.

Corrective work and exercises.

65. ONE-YEAR COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

This course will not be offered at the College during the session 1956–57. Teachers may qualify for the Intermediate Certificate in Home Economics through Summer courses offered by the Ontario Department of Education. For details direct inquiries to the Deputy Minister, Department of Education, Parliament Buildings, Toronto.

66. COURSES FOR CERTIFICATES IN VOCATIONAL EDUCATION AND INDUSTRIAL ARTS

The Ontario Training College for Technical Teachers, which was established in Hamilton in 1925, has been re-organized as a department of the Ontario College of Education, Toronto, as of September 1, 1946.

I. Courses for the Interim Vocational certificates, Type B and Type A.

II. Courses for Industrial Arts certificates:

1. The Intermediate certificate.
2. The Specialist certificate.

67. GENERAL CONDITIONS OF ADMISSION

(1) An applicant for admission to the courses referred to above shall make application, not later than August 31st, to the Director of Vocational Training, 371 Bloor Street West, Toronto 5. on a form to be obtained from him, and shall submit with this application, on forms also to be supplied by the Director:

(a) A certificate from the Deputy Registrar-General of Births, Parliament Buildings, Toronto, or an affidavit by one of the parents or other relative, or other person cognizant of the applicant's date of birth.

Age limits:

For the Interim Vocational course, male applicants shall be not less than twenty-three and not more than thirty-five years of age; female applicants shall be not less than twenty-one and not more than thirty-two years of age.

For the Intermediate Industrial Arts course, applicants shall be at least twenty years of age.

For the Specialist Industrial Arts course, applicants shall be not less than twenty-three and not more than thirty-five years of age.

(b) A certificate from a competent authority that he is a British subject.

(c) A certificate from a clergyman or other competent authority that he is of good moral character.

(d) A certificate of successful vaccination.

(2) Before the final admission, and provided that the applicant is not already the holder of a Teacher's certificate, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 25th, and shall hold themselves in readiness to appear for subsequent further examination as required. Students are required to be in continuous attendance at the College during the period of the medical examination, September 25th to 29th.

(3) In the event of rejection of an applicant in consequence of the medical examination and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

68. COURSE FOR INTERIM VOCATIONAL CERTIFICATE, TYPE B

REQUIREMENTS FOR ADMISSION

To this course may be admitted Applied Science graduates (engineers) and skilled tradesmen.

(1) Engineers. A candidate shall be the holder of a degree from the faculty of Applied Science of a recognized university, and shall submit statements to prove not less than two years' subsequent experience in the field of his major subject.

(2) Skilled Tradesmen, who are not engineering graduates.

(*a*) Education.

Applicants are required to give evidence of secondary school graduation or the equivalent. Otherwise, candidates may be required to write examinations in English, Mathematics and Science, these examinations to be held at the College on the first day of the session.

(*b*) Trade Training and Experience.

(i) The training or apprenticeship required shall be that usually demanded for journeyman's qualifications in the trade concerned. Special training obtained in an approved day vocational school will be taken into account in considering the period of training. Applicants should submit statements from the persons or firms under whom they were trained, showing the length of the training period and the nature of the work.

(ii) The experience required shall be several years of wage-earning journeyman trade experience with approved high-grade firms, and shall be such as to show that the applicant is a skilled craftsman, competent in the main branches of the trade, and familiar with its recent developments. The length of the journeyman experience depends upon the nature of the trade. Documentary evidence of experience in the trade in approved shops shall be furnished by the applicant.

69. COURSE FOR INTERIM VOCATIONAL CERTIFICATE, TYPE A

REQUIREMENTS FOR ADMISSION

(1) This course is offered to Applied Science graduates (engineers) who have been graded 66% or higher in their final year and one other year at the university.

(2) Each candidate shall

(*a*) submit evidence of not less than two years of approved wage-earning experience in the field of his major subject,

(*b*) be required to take all the subjects of the course for Type B certificate, and to obtain grading of 66% or more in them,

(*c*) take additional courses in the organization, administration, and supervision of vocational schools, with special reference to the duties and responsibilities of the shop, technical or industrial directors, assistant principals and principals.

If his grading in the Type B course (see (2) (*b*)) is not a failure but is less than 66%, he will be recommended for a Type B certificate only.

70. PROGRAMME OF STUDIES

The course of training for the Interim Vocational certificate, Type B, consists of two parts:

Part I: Educational Psychology
School Law and Regulations
English
History of Vocational Education
Principles of Teaching and Classroom Management
Technical Subjects: 1. trade analysis,
2. shop plan,
3. equipment list,
4. yearly budget,
5. course of study.

Part II: Observation and Practice-teaching.

71. ORGANIZATION OF COURSE

(1) Every applicant shall be required to pass an examination designed to test his attainments as a skilled worker in the trade concerned. The examination shall be on the fundamental principles, operations, processes and skills of the trade, and shall be in two parts (1) written, (2) practical. In the practical examination he shall be required to show his skill in a performance test.

(2) In general, the course is built upon the experiences of the student-teachers in the practice schools. Observation is stressed during the early part of the session. Individual and group instruction will be increased until, in the final two weeks, the student-teacher will take charge of the class with no assistance from the teacher.

(3) During alternate weeks in the College, in addition to the programme of studies, the student-teacher is given an assignment to cover his duties in the practice school for the following week. A corresponding bulletin is mailed to the teacher, who reports on the progress of the student at the completion of each week of Practice-teaching.

(4) Where possible, student-teachers are sent at first to vocational departments in the smaller composite schools and later to technical schools in the larger centres. The Director and his staff visit the practice schools from time to time to assist in evaluating the students' work.

72. DETAILS OF SUBJECTS

The details of the subjects of the course for the Interim Vocational certificate, Type B, are set out below.

EDUCATIONAL PSYCHOLOGY

(a) Psychology
  (i) intelligence, tests and measurements;
  (ii) learning, nature and laws; memory, fatigue, transfer, etc.
  (iii) mental hygiene of the pupil and the teacher,
  (iv) psychology of adolescence; school discipline.
(b) Guidance and Counselling.

SCHOOL LAW AND REGULATIONS

The Vocational Education Act, Regulations for Vocational Schools, the Apprenticeship Act, the Trade Schools Regulation Act; other legislation and regulations of direct concern to vocational schools.

ENGLISH

English—both oral and written—a brief review of the main essentials of grammar and composition to enable the shop teacher to avoid the more common errors in the use of words.

HISTORY OF VOCATIONAL EDUCATION

Brief historical sketch to show vocational aspects of educational developments; contributions of the educational reformers, Comenius, Locke, Rousseau, Pestalozzi, Fellenberg, Herbart, Froebel, Spencer; relation of industrial developments to the need for industrial education; development of secondary education, of vocational education; the manual training movement, the mechanics' institute, the farm and trade school, industrial and technical schools, trade schools; part-time, co-operative and apprenticeship classes; the Ontario educational system.

PRINCIPLES OF TEACHING AND CLASSROOM MANAGEMENT

Learning process as applied to practical subjects; formal lesson types; individual differences; individual and group instruction; lesson planning; instruction aid material—sheets, pictures, charts, films, models; organization of instruction material; tests and examinations; records; special shop problems.

TECHNICAL SUBJECTS

(a) Trade Analysis and Course of Study:

Study of the work of the skilled craftsman to determine the teachable content of each trade or calling. Analysis of the trade to determine the skill, and the trade, technical and concomitant knowledges of the skilled

worker; selection of instructional materials and arrangement into groups according to learning difficulties; selection of projects to be used to fit the order of the course of study; determination of related mathematics, science, drawing and auxiliary information needed in each project, preparation of course of study; unit courses.

(*b*) Shops Plan, Equipment List, and Annual Budget:

Study of desirable features of shops and classrooms, size, shape, lighting, lay-out; preparation of minimum, and desirable, lists of equipment for the type of shop in which the teacher-in-training will work; design of benches, tables, furniture, selection of tools and machines; approximate prices; preparation of annual budget.

73. COURSES FOR INDUSTRIAL ARTS CERTIFICATES[1]

COURSE FOR THE INTERMEDIATE CERTIFICATE

This is a two-year course to provide training for those who contemplate the teaching of Industrial Arts in Public, Separate, Continuation and High Schools. Applicants admitted under condition B below shall be exempted from attendance during one year of the course.[2]

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit:

A. Evidence of graduation from an approved regular four-year industrial course in a vocational school, which includes machine shop practice, woodworking, drafting, electricity, and auto mechanics; and evidence of at least one year of approved industrial wage-earning experience;

OR

B. Evidence of a Second Class of more advanced Ontario teaching certificate, and *either* an Elementary Manual Training certificate *or* a statement indicating successful completion of the work of Part I of the Elementary Industrial Arts course. Applicants who hold the Elementary Industrial Arts certificate, Type A shall be exempted from attendance during the autumn term but shall make application for admission not later than December 1.

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[1]The Dean reserves the right to limit the total enrolment of Intermediate and Specialist candidates to twenty-five.

[2]Candidates who have completed Parts I, II and III of the Elementary Industrial Arts course, and who have been recommended by the Inspector of Industrial Arts, may attend the Intermediate course beginning after the Christmas vacation.

74. PROGRAMME OF STUDIES

The course of training for the Intermediate certificate in Industrial Arts consists of two parts as follows:

Part I: Activity Analysis and Course of Study
Shop Work
History of Industrial Arts Education
Guidance

Part II: Observation and Practice-teaching.

Each student is given at least three weeks in a practice school. His teaching progresses from individual and group instruction to complete charge of routine duties and class instruction. If possible, he is sent to the general shop in (a) a public school, (b) a continuation or high school, and (c) a collegiate institute.

Note: For the Programme of Studies for those who must attend two years, see the Programme of Studies of the course for the Interim Vocational Certificate in Section 70.

75. DETAILS OF SUBJECTS

ACTIVITY ANALYSIS AND COURSE OF STUDY

See Technical Subjects in Section 70.

SHOP WORK

The present set-up consists of (a) Metal work, (b) Woodwork and Crafts. Each shop is organized on the general shop plan. At least four activities are being conducted in each shop. Metal work includes such activities as forge and vise work, sheet metal, welding, machine shop, and machinery principles. Woodwork and Crafts include drafting, woodwork (both hand and machine processes), building construction, practical electricity, furniture finishing, leather work, art metal work, and plastics.

HISTORY OF INDUSTRIAL ARTS

See History of Vocational Education in Section 70.

GUIDANCE

A course of lectures in educational and vocational guidance.

76. COURSE FOR THE SPECIALIST CERTIFICATE[1]

This course is to provide training for those who contemplate teaching Industrial Arts in collegiate institutes.

[1]This certificate may be obtained also in summer courses conducted by the Department of Education.

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit a Permanent[1] Intermediate Industrial Arts certificate.

77. PROGRAMME OF STUDIES

The course of training for the Specialist certificate in Industrial Arts consists of two parts as follows:

Part I. Activity Analysis, Course of Study and Shop Management Advanced Shop Work

Part II. Observation and Practice-teaching.

78. EXAMINATIONS AND CERTIFICATES

(1) The final standing of students in attendance in the course for the Interim Vocational Certificate or the courses for the Intermediate and Specialist Certificates in Industrial Arts shall be determined by the combined results of the sessional records and the records of the final examinations of Part I and by the results of the records of the Observation and Practice-teaching of Part II, of the course concerned.

(2) The sessional records in each course represent oral and written exercises, practical work, research and frequent tests; and at the close of each term there will be a set of examinations.

(3) A candidate shall pass in each of the subjects listed in the Programme of Studies of the course concerned. The pass standard shall be 50% of the marks assigned to each subject of Part I and 60% of the aggregate of the marks assigned to each of the divisions of Part II. A candidate for the Intermediate Industrial Arts certificate or the Specialist Industrial Arts certificate must pass a performance test before a certificate is issued.[2]

(4) (*a*) A candidate for the Interim Vocational certificate who passes in Part II and fails in not more than two subjects of Part I shall be exempted from further attendance.

(*b*) A candidate for the Intermediate certificate in Industrial Arts who passes in Part II and fails in not more than two sections of Shop Work *or* one other subject of Part I shall be exempted from further attendance.

(*c*) A candidate for the Specialist certificate in Industrial Arts who passes in Part II and fails in not more than two sections of Advanced Shop Work of Part I shall be exempted from further attendance.

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[1]Service personnel may be admitted on an Interim Intermediate Industrial Arts certificate.

[2]A candidate for the Interim Vocational certificate, either Type B or Type A, must obtain a minimum of 50% in the Trade test.

(*d*) All other candidates who fail to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

(*e*) A candidate exempted from attendance, as provided in (*a*), (*b*) or (*c*) above, may complete his standing for a certificate by rewriting at an annual examination the examination in the subject in which he failed. Examinations will be held at the close of the session at such centres and under such conditions as are set out in Section 15 (3) (*b*).

79. GRADES OF CERTIFICATES

(1) An Interim Vocational certificate, Type B, which qualifies the holder to teach a shop subject for two years in a vocational school.

(2) A Permanent Vocational certificate.

(3) An Interim Vocational certificate, Type A, valid for two years.

(4) A Permanent Vocational Specialist certificate.

(5) An Interim Intermediate certificate in Industrial Arts which qualifies the holder to teach shop work for two years in a public, separate, continuation or high school.

(6) A Permanent Intermediate certificate in Industrial Arts.

(7) Under the new Regulations, a Specialist certificate in Industrial Arts in Grades XI and XII of a Secondary School.

(8) A Vocational School Principal's certificate. For the requirements for this certificate, consult the regulations of the Department of Education.

LETTER OF STANDING

80. (1) Candidates who have fulfilled the requirements for admission to the course leading to the Interim Vocational certificate, Type B, and who are exempted by the Minister of Education from attendance at the Ontario College of Education on account of equivalent training in other provinces of Canada or in other countries of the British Commonwealth of Nations, may be granted a *Letter of Standing* by the Minister valid, for not more than one year from the date of issue, in the corresponding trade subject in a secondary school.

(*a*) Before being granted a *Letter of Standing* an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education.

(*b*) Before being granted a *Letter of Standing* an applicant must submit a certificate from a competent authority that he is a British subject.

(2) On the statement of the Principal that the candidate has taught successfully for one year under the authority of a *Letter of Standing*, he may be recommended by the Inspector concerned for the Interim Vocational certificate, Type B.

81. GRADUATE COURSES IN EDUCATION

These courses are designed chiefly for the professional improvement of qualified and experienced teachers. Such applicants for admission may enrol as candidates for degrees in education, as explained below. Alternatively they may enrol simply as graduate students if they do not wish to proceed immediately to a degree, or if they cannot meet all requirements for admission as candidates for a degree.[1] University graduates who are not certified teachers may also enrol as graduate students, although not as candidates for degrees in education.

Graduate courses in education are offered in regular sessions and in summer sessions. The following are the units of instruction:

1. *The Development of Modern Educational Systems*

The movement towards state responsibility for the education of all, and the extension of state-controlled systems of education, particularly in Great Britain, the United States and Canada during the past two centuries.

2. *The Development of Modern Educational Thought and Practice*

The thinking of outstanding educators and changing concepts of society which influenced classroom practice in England, the United States and Canada during the past two centuries.

3. *Educational Psychology*

An introductory course in general educational psychology.

4. *School Law and Administration of Education in Ontario.*

5. *Supervision*

Functions and duties of supervisors and principals as related to the administration of the elementary and secondary school and improvement of instruction; specific administrative and supervisory techniques.

6. *Principles and Practices in School Administration*

The administration of education in England, the United States, Canada, Australia, New Zealand and South Africa. Relevant information regarding other countries may be included.

The course will include a consideration of such topics as centralization *vs.* decentralization, school legislation, division of duties between central and local authorities, educational finance, supervision, etc. Comparisons between systems in different countries will be stressed throughout the course.

7. *Measurement in Education*

An evaluation of various types of objective and essay-type examinations. The preparation and use of new-type tests. Standardized tests. The

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[1]Those who wish to qualify for Elementary-School Inspectors' certificates must obtain credit in units 3 *or* 12, 4 *or* 6, 5 *or* 9, and one other.

measurement of general and specific aptitudes, personality traits, and school achievement. Interpretation of test results.

8. *Educational and Vocational Guidance*

Basic principles and current practices in educational and vocational guidance, with a discussion of diagnosis, counselling, and the place of group work, in a student personnel programme.

9. *Instructional Techniques and Practices*

The development of theories of learning from Pestalozzi to modern times and the influence of these theories on curricula and methods. A study of such general methods as the Dalton Laboratory Plan and the Enterprise Method, as well as an evaluation of various methods of teaching the subjects of the elementary and the secondary school curriculum.

10. *Educational Statistics and Experimental Methods*

An introductory course in elementary statistics. Design of experiments, including the logic of generalizing from a sample to the population, and methods of planning investigations.

11. *Modern Philosophies of Education*

Traditional and environmental influences on social and educational thought; current philosophies of education; possible explanations of different points of view; ideas of various thinkers on educational issues; Canadian attitudes; constructing a philosophy of education.

12. *Intelligence and its Measurement*

The nature, growth and distribution of intelligence. The preparation, administration and interpretation of group and individual mental tests.

13. *Mental Health and Child Study*

The factors involved in child development (pre-school period, early school years, intermediate years, adolescence) and the difficulties and problems of each period. The preventive and remedial phases of mental health.

14. *Diagnosis and Remedial Instruction*

Study of pupil difficulties and techniques of preventive and remedial teaching, with special emphasis on practices suitable for typical classrooms; use of diagnostic tests, observations and examinations and interpretation of the results.

15. *Adult Education*

History and organization of adult education in Canada; a survey of current philosophies of education in the adult field; psychology of learning for adults; problems of administration and presentation of adult education, and allied topics.

16. *Curriculum Development and Improvement*

Principles, problems, experiments, trends in curriculum development in elementary and secondary schools. Factors involved in leadership in

curriculum development and the improvement of instruction. Analysis of curriculum programme in relation to modern concepts of curriculum.

17. *Advanced Statistics and Measurement*

A study of recent developments in statistics and measurement, with emphasis on the mathematical assumptions and derivations underlying the theory; will include multiple regression, analysis of variance and covariance, sampling theory, and applications of statistical methods to the development of measuring instruments.

18. *Research in Education*

Nature of scientific thinking. Finding and defining the research problem. Advantages, disadvantages, limitations and theoretical aspects of various methods of doing research in education. Location, evaluation, analysis and presentation of data. The research report.

NOTES: Units 1, 2, 3, 4, 5, and 18 are offered in every session. Units 11, 12, 13, 14, 16, and 17 will also be offered in the summer session of 1956 and in the regular session 1956–57 if a sufficient number of candidates apply. Units 17 and 18 are open only to advanced students, including candidates for the doctorate.

82. DEGREE OF BACHELOR OF EDUCATION (B.ED.)

(1) For admission as a candidate for the degree of Bachelor of Education an applicant shall (*a*) hold an approved degree in Arts, Science, Agriculture, Engineering, or Commerce, (*b*) hold a certificate as teacher valid in Ontario issued after an approved course in a recognized training school, or an equivalent certificate valid in another province of Canada, and (*c*) have completed one year's successful teaching experience subsequent to having obtained a teaching certificate.

(2) To complete requirements for the degree the candidate shall be in attendance at the Ontario College of Education during one summer session or one regular session and shall obtain standing on units 1 and 2 of the units of instruction listed in Section 81.

(3) The examinations, one paper per unit, shall be held in April at the University of Toronto or at other centres in Canada approved by the Senate and under a presiding examiner appointed by the Senate, provided the candidate thereat defray the cost of the local examination. Where ten or more candidates are writing at one centre, the College of Education will defray the cost of the examination. The candidate shall send notice not later than February 15th indicating his intention to write the examinations, the particular units he will write, and the centre in which he wishes to write the examinations. No candidate will be permitted to write the examination on any unit more than twice without reattending classes in that unit.

(4) The standard for a pass shall be 60 per cent. of the marks assigned to each unit. [But see regulations concerning the degree of Master of Education, Section 83, paragraphs (1) and (4).]

(5) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Examination, per unit	4.00
Degree	10.00

The total fee, $96 (or $86 in the case of candidates who do not wish to receive the degree), is payable to the Chief Accountant's office of the University of Toronto when the candidate's application forms have been approved and returned to him for such payment.

83. DEGREE OF MASTER OF EDUCATION (M.ED.)[1]

The degree of Master of Education (M.Ed.) will be awarded by the School of Graduate Studies under the following conditions:

(1) For admission as a candidate for the degree of Master of Education an applicant shall hold the degree of Bachelor of Education from the University of Toronto with standing of at least 66 per cent. on each of the two required units [see Section 82 (2)]; or the applicant shall have qualifications and standing deemed equivalent by the committee administering education courses.

(2) To complete requirements for the degree the candidate shall be in attendance at the Ontario College of Education for *either* one regular session *or* three summer sessions, and shall obtain standing on any six of the above-listed units of instruction for which he has not already been allowed credit as qualification for admission to the M.Ed. programme. Candidates who obtain 75 per cent. or more on at least two of the first four units elected may apply for permission to substitute a thesis for the last two units of the course.

Permission to substitute a thesis for the last two units of course work should be sought only by candidates who have confidence in their ability to carry out and report on educational research. Candidates who plan to enrol in courses leading to the degree of Doctor of Education are advised to elect the thesis option (see regulations for the degree of Doctor of Education, Section 84).

For two of the six required units the candidates, with the special previous consent of the committee administering education courses, may substitute approved graduate courses in another department of the University.

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[1]See Section 6(4) for information regarding a Fellowship in Education.

Candidates who have credit for graduate work in education at other universities beyond requirements for admission to the M.Ed. programme may request that credit be granted on this basis for not more than two of the six required units.

(3) The examinations, one paper per unit, shall be held in April at the University of Toronto or in other centres in Canada approved by the Senate and under a presiding examiner appointed by the Senate, provided the candidate thereat defray the cost of the local examination. Where ten or more candidates are writing at one centre, the College of Education will defray the cost of the examination. The candidate shall send notice not later than February 15th indicating his intention to write the examination, the particular units he will write, and the centre in which he wishes to write the examinations. No candidate will be permitted to write the examination on any unit more than twice without reattending classes in that unit.

(4) The standard for a pass shall be 66 per cent. of the marks assigned to each unit.

(5) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, regular College Session, including examination and library fees	175.00
Examination per unit	4.00
Supervision and examination of thesis	75.00
Degree	10.00

The total of the fees payable by a candidate proceeding to the degree by summer sessions is $86 for the first summer session, $81 for the second, and $91 for the third. These amounts are payable to the Chief Accountant's office of the University of Toronto when the candidate's application forms have been approved and returned to him for such payment.

84. DEGREE OF DOCTOR OF EDUCATION (ED.D.)

The degree of Doctor of Education will be awarded by the School of Graduate Studies under the following conditions:

(1) For enrolment as a graduate student in courses that may be counted for credit towards the doctorate, an applicant shall hold the degree of Master of Education with high standing from the University of Toronto, or its equivalent. Applicants holding the degree of Bachelor of Pedagogy from the University of Toronto will be required to complete two pre-doctoral units, but applicants who were awarded this degree with honours not later than June, 1952, may be excused from this requirement.

(2) While in attendance as a graduate student, an applicant for enrolment as a candidate for the degree of Doctor of Education will be required to pass a Qualifying Examination. He will also be required to carry out a Qualifying Research Project to the satisfaction of the committee administering education courses. After passing these two tests the graduate student will be enrolled as a candidate for the degree of Doctor of Education.

(3) An applicant who completed the requirements for the Master of Education degree at the University of Toronto by thesis may, if the committee judges the thesis to be of sufficiently high quality, be excused from the Qualifying Examination or the Qualifying Research Project, or both, and may be enrolled immediately as a candidate for the degree of Doctor of Education.

(4) One who holds a Master of Education or equivalent degree of another university and who seeks admission to the programme leading to the degree of Doctor of Education must submit for evaluation: (i) transcripts of all his academic work; (ii) proof, if such is not included in the transcripts, of having received professional training as a teacher; (iii) proof of certification as a teacher, including full information about the certificate held; (iv) evidence of at least one year's successful experience as a teacher; (v) a copy of the master's thesis, if the applicant wrote such a thesis; (vi) the name of the applicant's faculty adviser at the university where the master's degree was obtained.

(5) To complete the course requirements for the degree, the candidate shall be in attendance at the Ontario College of Education during one regular session or two summer sessions. The course shall consist of four of the units of instruction listed above. Unit 18 shall be taken as one of the units in the first session attended except by candidates who have already obtained credit for that unit. The choice of other units is subject to the approval of the committee administering education courses. During each session of attendance candidates for the degree of Doctor of Education, and graduate students who are potential candidates for the degree, are required to take part in the seminar described below.

Seminar in Education

Presentation by candidates for the doctorate of the problems they propose to investigate and defence of procedures they intend to use. Intensive study under the direction of the staff of problems subsidiary to the topic presented. The seminar gives summer school candidates an opportunity to begin their research under close supervision.

(6) Examinations on the four required units shall be held at such times and under such conditions as to date of application, place of examination, term work, etc., as obtain with the Master's degree. The candidate will be

required to maintain the high standard of achievement demanded for admission to the programme.

(7) The further and major requirement for the degree is the completion of a doctoral dissertation. During his first session of attendance the candidate is advised to choose a tentative topic and to seek opinions in the seminar and by consultation with the staff regarding its suitability. During the final session of attendance the candidate shall present in the seminar an outline of his proposed research. He must at that time or subsequently obtain formal approval of the outline of his research problem from the committee administering education courses. Under no circumstances will a dissertation be examined for credit unless the topic and the outline have received this initial approval. Candidates should secure a copy of a statement on "Requirements Applicable to Doctoral Dissertations" from the Supervisor of Graduate Students, Ontario College of Education, to whom all general correspondence regarding dissertations may be addressed. After a completed dissertation has been approved by the examiners, the candidate shall furnish the Secretary of the School of Graduate Studies with four bound copies and shall make arrangements to publish the dissertation or an approved abstract thereof. If the candidate publishes only an abstract of his dissertation, he shall furnish the Secretary of the School of Graduate Studies with 25 copies of the abstract.

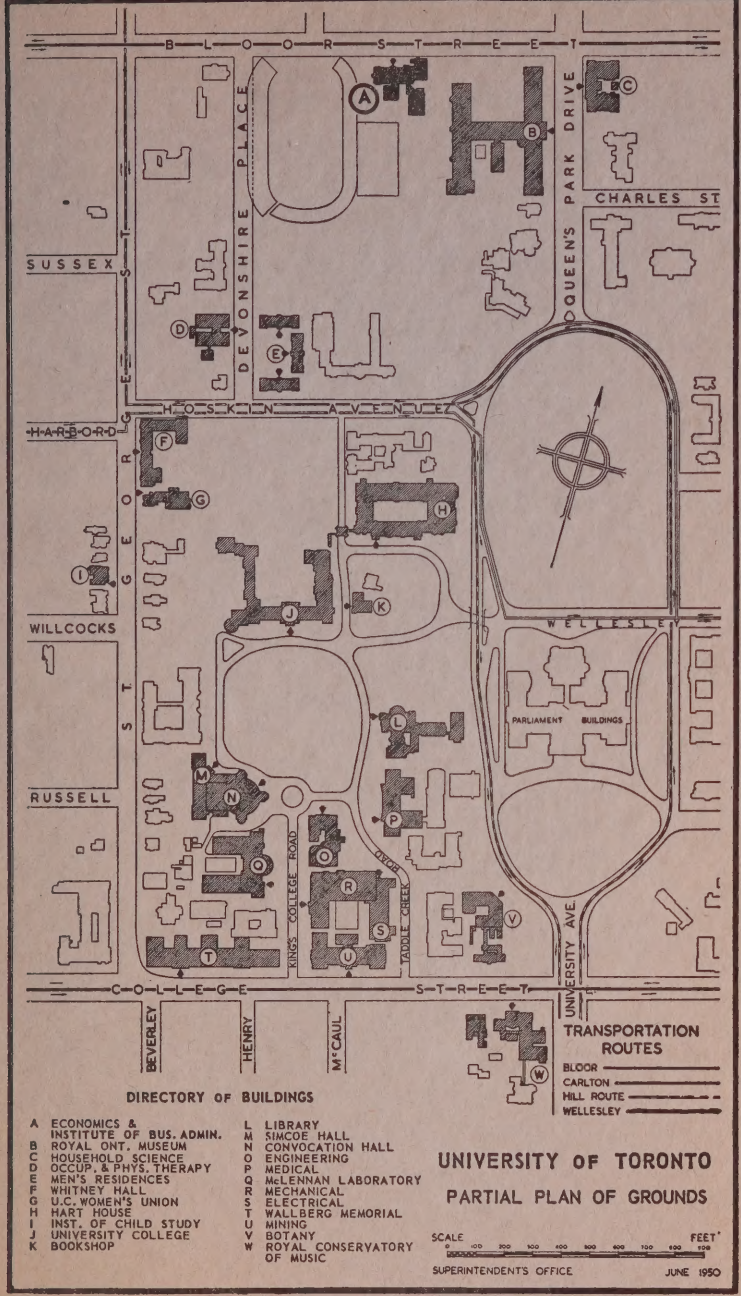
(8) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, Regular College Session, including examination and library fees	175.00
Examination, per unit	4.00
Supervision and examination of dissertation	75.00
Degree	25.00

The total of the fees payable by a candidate attending summer sessions is $86 for the first summer session and $78 for the second summer session. These amounts are payable to the Chief Accountant's office of the University of Toronto when the candidate's application forms have been approved and returned to him for such payment.

85. DEGREES OF DOCTOR OF PHILOSOPHY (PH.D.) AND MASTER OF ARTS (M.A.)

Courses leading to these degrees are offered in regular sessions only. Information about requirements is given in the calendar of the School of Graduate Studies, University of Toronto.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RUSSELL
KINGS COLLEGE ROAD
TADDLE CREEK
UNIVERSITY AVE
C O L L E G E S T R E E T
BEVERLEY
HENRY
McCAUL
H
T
A ECONOMICS & INSTITUTE OF BUS. ADMIN.
B ROYAL ONT. MUSEUM
C HOUSEHOLD SCIENCE
D OCCUP. & PHYS. THERAPY
E MEN'S RESIDENCES
F WHITNEY HALL
G U.C. WOMEN'S UNION
H HART HOUSE
I INST. OF CHILD STUDY
J UNIVERSITY COLLEGE
K BOOKSHOP
L LIBRARY
M SIMCOE HALL
N CONVOCATION HALL
O ENGINEERING
P MEDICAL
Q McLENNAN LABORATORY
R MECHANICAL
S ELECTRICAL
T WALLBERG MEMORIAL
U MINING
V BOTANY
W ROYAL CONSERVATORY OF MUSIC
TRANSPORTATION ROUTES
BLOOR
CARLTON
HILL ROUTE
WELLESLEY
DIRECTORY OF BUILDINGS
UNIVERSITY OF TORONTO
PARTIAL PLAN OF GROUNDS
SCALE
FEET
SUPERINTENDENT'S OFFICE
JUNE 1950

The University of Toronto issues the following official calendars, any one of which may be had on application to the Registrar of the University or to the Secretary of the Faculty, School or Institute about which information is sought.

CALENDARS

Admission Requirements
Admission Scholarships and Bursaries
Faculty of Arts
Faculty of Medicine
    Physical and Occupational Therapy
Faculty of Law
Faculty of Applied Science and Engineering
Faculty of Household Science
Ontario College of Education
Library School
Faculty of Forestry
Royal Conservatory of Music
    Faculty of Music
    School of Music
School of Graduate Studies
Faculty of Dentistry
    Dental Hygiene and Dental Nursing
Faculty of Pharmacy
School of Architecture
School of Physical and Health Education
School of Social Work
School of Nursing
School of Hygiene
Institute of Child Study
Institute of Business Administration
University Extension—
    General Course for Teachers
    Certificate Course in Business (Evenings)

Enquiries about the following colleges affiliated with the University of Toronto, should be addressed directly to the Registrar of the College concerned:

Ontario Agricultural College, Guelph, Ont.
Ontario Veterinary College, Guelph, Ont.

UNIVERSITY OF TORONTO

Ontario College of Education
Library
JUN 21 1957
University of Toronto

CALENDAR

Ontario College of Education

1957-1958

In view of increasing costs of supplies and labour, residence dues and other charges set forth in this calendar are subject to change by the Board of Governors.

UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education

1957-1958

UNIVERSITY OF TORONTO PRESS
1957

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CALENDAR, 1957–1958

1957 June 17.....Summer Session (High School Assistants') opens.
July 2.....Summer Session (Education) opens.
July 2.....Second Summer Session (High School Assistants') opens.

Aug. 2.....Second Summer Session (High School Assistants') closes.
Aug. 2.....Summer Session (Education) closes.
Aug. 23.....Summer Session (High School Assistants') closes.
Sept. 24–28.....Medical Examination
Sept. 24.....Academic year begins at 9 a.m.
Sept. 25.....Address by the President to the students of all faculties and schools at 3.45 p.m. in Convocation Hall.
Oct. 14.....Thanksgiving Day.
Nov. 11.....Remembrance Day Service.
Nov. 22.....Autumn Convocation 8.30 p.m.
Dec. 20.....Last day of lectures. Term ends at 5 p.m.

1958 Jan. 6.....Winter Term begins at 9 a.m.
Jan. 20.....Last day for receiving the second instalment of fees.
Apr. 4.....Good Friday.
Apr. 14.....Spring Term begins.
May 2.....Last day of lectures.
May 5–16.....Final Examinations (except for candidates for Intermediate and Specialist Industrial Arts certificates).
May 12–16.....Final Examinations for candidates for Intermediate and Specialist Industrial Arts certificates.
May 28, 29, 30..University Commencement.

ADMINISTRATIVE OFFICERS

The University

President ....Sidney Smith, Q.C., M.A., LL.B., LL.D., D.C.L., F.R.S.C.

Registrar .....J. C. Evans, B.A.
Chief Librarian.....R. H. Blackburn, M.A., B.L.S., M.S.
Warden of Hart House.....J. McCulley, M.A.
Director of University Extension.....J. R. Coulter, B.A.

Vice-President (Administration).....F. R. Stone, B.Com., C.A.
Comptroller.....G. L. Court, D.F.C., M.Com., C.A.
Secretary to the Board of Governors ..... W. W. Small, B.Com., M.A.
Superintendent of Buildings and Grounds.....F. J. Hastie, B.Sc., P.Eng.
Chief Accountant.....D. J. Reid

Director of University Health Service
G. E. Wodehouse, M.C., M.D., F.R.C.P.
Assistant Director of University Health Service—Women
Miss F. H. Stewart, B.A., M.D.
Director of Athletics and Physical Education—Men..W. A. Stevens, B.S.
Director of Athletics and Physical Education—Women..Miss Z. Slack, B.A.
Director of the University of Toronto Press ..... M. Jeanneret, B.A.
General Secretary-Treasurer of the Students' Administrative Council
E. A. Macdonald, B.A.
Associate Secretary of the Students' Administrative Council
Miss A. E. M. Parkes, B.A.
Director of Hart House Theatre.....R. S. Gill, M.A.
Director of the Placement Service.....J. K. Bradford, O.B.E., M.A.Sc.

Ontario College of Education

Dean.....A. C. Lewis, M.A., D.Paed.
Director of the Department of Educational Research
R. W. B. Jackson, B.A., Ph.D.
Supervisor of Graduate Students.....C. E. Phillips, M.A., D.Paed.
Director of the Guidance Centre.....M. D. Parmenter, M.A.
Director of the Department of Vocational Training and Industrial Arts
R. D. Phillips, B.Sc., M.Ed., P.Eng.
Supervisor of Practice Teaching.....D. F. Dadson, B.A., B.Ed.
Supervisor of Women Students.....Miss Helen B. St. John, M.A.
Secretary.....Miss A. A. L. Elliott, B.A.

Note.—Communications to the Ontario College of Education should be addressed to the Secretary, Ontario College of Education, 371 Bloor Street W., Toronto 5.

CALENDAR 1957

Jan.

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CALENDAR 1958

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28	29	30	....	....	....	....

Oct.

S	M	T	W	T	F	S
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5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	....

Nov.

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23	24	25	26	27	28	29
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Dec.

S	M	T	W	T	F	S
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THE ONTARIO COLLEGE OF EDUCATION

Courses in Education

GENERAL INFORMATION

In its courses in education the Ontario College of Education trains candidates for certificates as teachers and in particular for Provincial certificates as teachers of Art, Home Economics, Physical Education, Vocal Music, Instrumental Music, Commercial Subjects, Vocational Education, Industrial Arts, as High School Assistants and as teachers of public and separate schools. It also offers courses leading to the B.Ed., M.Ed., Ed.D., M.A., and Ph.D. degrees.

The buildings of the Ontario College of Education on Bloor Street contain lecture-rooms, laboratories, and reading-rooms for the accommodation of the students, and model class-rooms for observation and practice-teaching. So far as necessary the observation and practice-teaching are supplemented by observation and practice-teaching in schools in and near the City of Toronto.

While the chief exercises of the Ontario College of Education will be conducted in the buildings on Bloor Street, the students in Education may use the University's library, gymnasium, and athletic fields, and Hart House, under such conditions as obtain with other students. They will also be admitted free to the Royal Ontario Museum, Bloor Street, and to the Toronto Art Gallery, Dundas St., from 9 a.m. to 5 p.m., on presentation of their registration cards.

BOARD AND LODGING

The Secretary of the Ontario College of Education will forward lists of boarding-houses on request.

COURSES AND CERTIFICATES

1. (1) The following courses are offered:

(*a*) Courses for Interim High School Assistants' certificates, Type B; Interim High School Assistants' certificates, Type A,[1] including Physical Education, Art, Instrumental Music, and Vocal Music;[2] Interim Elementary-School Teachers' certificates;[3] Interim Elementary certificates in Art; Interim Elementary Type A certificates in Physical Education, Industrial Arts,[3] Instrumental Music, and Vocal Music; Interim Ele-

[1]See Section 18 (1).

[2]The courses leading to High School Assistants' certificates, Type A, in Physical Education, Art, Instrumental Music and Vocal Music are open only to those who qualify under Section 26.

[3]This course may not be completed in the regular College session but requires a subsequent summer session before the candidate will be recommended for the certificate.

mentary Certificate in Home Economics; Interim Intermediate certificates in Home Economics; Interim Elementary Commercial certificates; Interim Vocational certificates; and for Intermediate and Specialist certificates in Industrial Arts.

(*b*) Course for the degree of B. Ed.

(*c*) Courses under the School of Graduate Studies for the degrees of M.A., M.Ed., Ed.D. and Ph.D.

(2) High School Teachers' Certificates.[1]

(*a*) Grades of Certificates:

The following grades of certificates qualify the holders for teaching in High Schools and Collegiate Institutes:

(i) An Interim High School Assistant's certificate, Type B, which qualifies the holder for two years as an Assistant.

(ii) A Permanent High School Assistant's Certificate.

(iii) An Interim High School Assistant's Certificate, Type A, which qualifies the holder for two years as an Assistant.

(iv) A High School Specialist's Certificate which qualifies the holder to be head of a Department.

(v) A High School Principal's Certificate.

(*b*) Requirements for the above Certificates:

(i) For an Interim High School Assistant's Certificate, Type B: The completion of the professional course of training for this certificate at the Ontario College of Education.

(ii) For a Permanent High School Assistant's Certificate: The Interim High School Assistant's Certificate, Type B, and two years, successful teaching experience in Ontario in a secondary school or in Grades IX or X of a Public or Separate School.

(iii) For an Interim High School Assistant's Certificate, Type A: The completion of the professional course of training for this certificate at the Ontario College of Education.

(iv) For a High School Specialist's Certificate: An Interim High School Assistant's Certificate, Type A, and two years' successful teaching experience in Ontario in the subject or subjects covered by the Interim High School Assistant's Certificate, Type A.

(v) For a High School Principal's Certificate: For this information consult the regulations of the Department of Education.

(*c*) The holders of Interim High School Assistants' Certificates, Type B, or Permanent High School Assistants' Certificates may secure Interim High School Assistants' Certificates, Type A, under the conditions outlined in Section 17 of this calendar.

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[1]For certificates in Vocational Training and in Industrial Arts see, Section 79.

SESSION

2. (1) Enrolment will take place and the medical examination will begin at 9 a.m., Tuesday, September 24th. The Autumn Term will end December 20th, at 5 p.m., and the Winter Term will begin January 6th at 9 a.m. The Spring Term will begin April 14th and end May 30th.

HIGH SCHOOL ASSISTANTS' SUMMER COURSES
1957 and 1958

(2) A summer course for the High School Assistant's certificate, Type B, will be held from July 2, 1957, to August 2, 1957, for candidates who qualified for Letters of Standing on completion of the ten-weeks summer course in 1956, and who are recommended for admission by the Principal and High School Inspector concerned. The tuition fee for this course is $25, to be paid to the Chief Accountant of the University, before the opening day of the course.

(3) (a) From June 17, 1957, to August 23, 1957, a summer course will be held, leading to a Temporary Secondary School Certificate. The Certificate shall be valid for the school year 1957–58. The holder of such Certificate may secure an Interim High School Assistant's Certificate, Type B, by attending, on the recommendation of the Principal and High School Inspector concerned, a second summer course from July 2, 1958, to August 5, 1958, and by passing the examinations of that course.

(*b*) A candidate for admission to the course leading to a Temporary Secondary School Certificate must fulfil all the conditions of admission to the course for the Interim High School Assistant's certificate, Type B (Section 9), and also must submit evidence that he has accepted a contract offered by an Ontario Secondary School Board for the ensuing school year for a position which has been advertised after April 1 and for which no fully qualified applicant is available. Applications should be made to the Secretary, Ontario College of Education, Toronto 5, as soon as the candidate is under contract to teach.

(*c*) Medical examinations will begin at 9 a.m. on June 17th.

(*d*) Tuition fee for the summer session 1957, to be paid to the Chief Accountant of the University before the opening day of the session, $180; tuition fee for the second summer course 1958, to be paid to the Chief Accountant of the University, $25. These fees include medical and examination fees. None of the incidental fees required of students in the regular session shall be required of students in these summer sessions.

(*e*) No supplementary courses (Section 22) or Type A courses (Section 17) shall be offered in these summer sessions 1957 and 1958, but instruction in teaching the subjects of Grade XIII shall be provided for those deemed by the Dean and Council of the College to be capable of profiting by such instruction.

(4) Courses similar to those described in (3) above will be offered

in subsequent summers if the enrolment is sufficient to warrant their establishment.

DUTIES OF STUDENTS

3. (1) Regular attendance on the part of candidates for Provincial certificates is indispensable, except for such as are exempt from attendance under the regulations of the Department of Education, and for such as are permitted by the Dean to act, after Christmas, for not more than a total of one fortnight, as substitute teachers in the schools of Ontario.

(2) Students whose class-work shows them to be unduly deficient in scholarship, or whose attendance or progress is unsatisfactory, may be dismissed from attendance by the Council of the College at any time during the session.

(3) On the Dean's report to the Minister of Education as to the physical unfitness of a student for training for a Provincial certificate as a teacher, the Minister may require a special medical examination of such student, and, as a result thereof, may direct that his registration for such training be cancelled.

(4) Various religious, athletic, literary and dramatic associations are formed each session. For professional improvement all students shall share in the activities of the literary and dramatic associations.

FEES

4. (*a*) For Intramural Students:

High School Assistants' Course, Type B, and Vocational Training and Industrial Arts courses.

*Academic Fee	†Incidental Fees	Total Fee (if paid in one instalment)	First Term Instalment due Sept. 24	Second Term Instalment due Jan. 20
		Men		
$180	$35[1]	$215	$135	$80
		Women		
$180	$20[1]	$200	$120	$80

Notes: 1. The Academic Fee (which includes the examination and University Library fees) and the Incidental Fees are to be paid to the UNIVERSITY OF TORONTO. After January 20th, an additional deferred payment fee of $3 per month shall be imposed until the whole amount is paid.

2. A College Library deposit of $1 is to be paid at the College.

3. There is no additional fee for a High School Assistants' course, Type A, or for a Supplementary course when taken concurrently with the High School Assistants' course, Type B.

(*b*) For Extramural Students:

Fee for the final examinations of the High School Assistants' course, Type B, which includes the fee for the final examinations of the High School Assistants' course, Type A, if taken concurrently..... $20.00

*The fee is the same for the regular College Session as for the Session after Christmas.

†These Incidental Fees include the following fees:—

For men—Hart House; Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

For women—Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

[1]A student who holds an Ontario teaching certificate will pay $32 or $17, as the case may be, because he or she will not be required to take a medical examination.

Fee for the final examinations of the High School Assistants' course, Type A, if taken in a different Session from the final examinations of the High School Assistants' course, Type B	8.00
Fee for examination in one subject of any course when repeated in a subsequent Session	4.00

5. (1) FINAL EXAMINATIONS

No candidate will be permitted to take more than twice any final examination, or part thereof, for any certificate listed in this calendar.

(2) APPEALS

The answer papers of the final examinations of all unsuccessful candidates for Provincial certificates are re-read by the examiners, and the results of the first reading reconsidered before a decision to reject is reached. Despite this fact any unsuccessful candidate may have his case considered a third time if within two weeks after the announcement of the results he lodges with the Minister of Education his appeal, with a statement of the grounds on which it is based, and with a fee of $2.00. The fee will be refunded if the appeal is sustained.

6. SCHOLARSHIPS AND PRIZES

NOTE

On account of the continued tendency towards lower rates of interest, it is possible that the value of certain endowed scholarships and prizes at the time of payment may prove to be less than the amount stated in the calendar.

In those cases where the amount of the award is not payable from income earned on an endowed fund, payment will be dependent on the receipt of the amount of the annual award from the donor.

THE HUGH W. BRYAN MEMORIAL SCHOLARSHIP OF THE ONTARIO SECONDARY SCHOOL TEACHERS' FEDERATION[1]

(1) The Ontario Secondary School Teachers' Federation has founded an annual scholarship of the value of the interest on $2,000 in memory of a former President of the Federation, Dr. Hugh W. Bryan. This scholarship will be awarded by the Bryan Memorial Scholarship Committee of the Federation, at the close of each session and after the receipt of a report from the Council of the College of Education, to the student in regular attendance throughout the session in the High School Assistants' Course who has shown "the most outstanding qualities of scholarship, teaching ability, and character."

THE LAURA L. OCKLEY SCHOLARSHIP IN HOME ECONOMICS[1]

(2) Former students of Miss Laura L. Ockley, who was in charge of the training of Home Economics teachers in the University of Toronto from 1912 to 1943, have founded in her honour an annual scholarship of the value of $100. This scholarship will be awarded at the close of the session to a student in regular attendance in the High School Assistants' course, Type A, in Home Economics, or in the Intermediate Home Economics course, who has shown the most outstanding qualities of "scholarship and teaching ability in Home Economics and leadership in human relations." Awards over a period of years will be made to students of the High School Assistants' course, Type A, in Home Economics, and of the Intermediate Home Economics course in proportion to the registration in these courses during that period.

THE PAKENHAM MEMORIAL PRIZE[1]

(3) As a memorial to Dr. William Pakenham, Dean of the Ontario College of Education from 1907 to 1934, the teachers of Ontario have founded an annual Memorial Prize of the value of the interest on $1,000. The Prize will be in the form of books stamped with the Coat of Arms of

[1]Only one of these scholarships or prizes shall be awarded to anyone student.

the University of Toronto, and will be awarded to the student who obtains the highest standing, as reported in the annual returns of the College, in the subjects of Part I of the High School Assistants' course, Type B, and in Practice Teaching.

THE WILLIAM PAKENHAM FELLOWSHIP IN EDUCATION

(4) The late William Pakenham bequeathed to the University of Toronto the residue of his estate to be used as the governing body of the University may direct in behalf of the activities of the Ontario College of Education.

Accordingly a Fellowship in Education has been established for advanced work either in the University of Toronto or in some other university approved by the Senate. The Fellowship shall be awarded at such intervals and have such value (not to exceed $3,000) as the Senate, on the recommendation of the Council of the Ontario College of Education, may from time to time determine. Applicants must be residents of Ontario, holding a Bachelor's degree, a teacher's certificate valid in a Canadian province, and must submit a record of professional experience and evidence of ability to make a contribution to education in Canada as a result of further work.

Applications shall be made on or before March 1st to the Secretary, Ontario College of Education.

THE JOHN THOMAS CRAWFORD MEMORIAL SCHOLARSHIP

(5) Mrs. J. T. Crawford has established an annual scholarship of $150.00 in the University of Toronto in memory of her husband, the late Professor John Thomas Crawford.

The scholarship, known as the John Thomas Crawford Memorial Scholarship, will be awarded to the candidate in the honour course in Mathematics and Physics in the University of Toronto who stands highest in the final examinations of the fourth year among those who proceed to the Ontario College of Education. The Scholarship will be paid on the successful completion of the fall term of the College of Education.

If no graduate of the Mathematics and Physics course attends the College the highest qualified candidate from the Physics and Chemistry course or from the Engineering Physics course, taken in that order, will be awarded the scholarship when other conditions are satisfied.

7. DOMINION-PROVINCIAL STUDENT-AID BURSARIES

Bursaries may be awarded to students in financial need who are resident in Ontario and who are in attendance at the University of Toronto. Further information may be obtained from the Secretary of the Faculty.

8. (1) HART HOUSE

All men students are required to become members of Hart House. The purpose and the conditions of this membership are defined in a bulletin to be distributed at the time of registration.

8. (2) UNIVERSITY HEALTH SERVICE

Information about this service may be obtained at registration.

COURSE FOR THE INTERIM HIGH SCHOOL ASSISTANT'S CERTIFICATE, TYPE B

CONDITIONS OF ADMISSION

9. (1) Except as provided in (2) and (3) below, an applicant for admission to the course for an Interim High School Assistant's certificate, Type B, shall make application not later than August 31st, to the Secretary of the Ontario College of Education on an official form to be obtained from the Secretary, and should submit with this application, also on official forms which will be supplied by the Secretary:

(*a*) A certificate of birth. An applicant must be at least 20 years of age before October 1st of the year in which he applies for admission.

(*b*) A certificate from a clergyman or other competent authority that he is of good moral character.

(*c*) A certificate of successful vaccination.

(*d*) A certificate from a competent authority that he is a British subject.

(*e*) His certificate of graduation as Bachelor or Master of Arts, Bachelor or Master of Science, Bachelor of Commerce, Bachelor of Science in Agriculture, Bachelor of Applied Science, Bachelor of Household Science, Bachelor of Music[1] or Bachelor of Physical and Health Education, from a British university, after a regular university course approved by the Minister of Education as to admission requirements and as to content of the undergraduate courses.

(2) Before the final admission, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 24th, and shall hold themselves in readiness to appear for subsequent further examination as required. *Students are required to be in continuous attendance at the College during the period of the medical examination, September 24th to 28th.*

(3) No candidate will be admitted whose teaching certificate has been cancelled or suspended.

(4) Before the final admission, an applicant must also be approved by a Selection Committee consisting of at least three members of the College Staff and a member of the Ontario Secondary School Teachers' Federation, all of whom shall be appointed by the Dean.

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[1]This refers to the degree in the course in Music Education of the University of Toronto introduced in 1946.

(5) In the event of the rejection of an applicant in consequence of the medical examination or by the Selection Committee, and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

(6) An applicant for admission to this course who is not a candidate for the certificate of the Ontario Department of Education must comply with such conditions of admission as the Council of the Ontario College of Education may determine.

10. TEXT-BOOKS

The text-books for the academic work are those prescribed for the High Schools of Ontario in each subject of the student's course.

For Observation and Practice-teaching students should supply themselves with copies of all necessary school text-books.

11. PROGRAMME OF STUDIES

(1) The course of training for the Interim High School Assistant's certificate, Type B, consists of two parts as follows:

Part I: (*a*) General professional courses, including an Introduction to Education, Educational Psychology, and School Management and Law.

(*b*) Courses in methods of teaching any *two* [1, 2] of the following:

English
Geography and History
Mathematics
Science
Latin
French
German
Greek
Spanish
Italian

Part II: Observation and Practice Teaching.

(2) Students in attendance in the High School Assistants' course, Type B, may take also, if they possess the required qualifications, a High School Assistant's course, Type A, and a Supplementary course.

[1]Candidates for High School Assistants' certificates, Type A, as defined in section 18 (1), in selecting their subjects from (*b*) above, must include the corresponding subject or subjects of the High School Assistants' course Type A.

[2]German, Spanish, Greek and Italian may be chosen only by candidates for the High School Assistants' certificates, Type A, except by permission of the Dean.

(3) Diction and Voice Production.

At the beginning of the session the short course of lectures on Diction and Voice Production mentioned in Section 65 will be given. These lectures will be supplemented by corrective work with students whose need in this respect is revealed in their practice-teaching. Students requiring speech correction may be withdrawn by the Dean from their supplementary courses for this remedial work.

ORGANIZATION OF COURSE

12. (1) The instruction in the special methodology of the subjects of the High School courses shall be accompanied by a review from the academic standpoint of such portions of each subject as may be necessary to determine the scholarship of the students and to illustrate the methods of instruction in that subject, dealing in particular with those parts of the course that are difficult of presentation.

(2) The following introductory work shall be taken up at the beginning of the session:

(*a*) A brief course in the General Method of the Recitation as a preliminary to Observation and Practice-teaching.

(*b*) Supervised Observation and Practice lessons in Secondary School grades. Students shall be notified of the subject and scope of each Observation lesson, and should prepare the lesson beforehand. After observing the lesson they shall discuss it with the teacher or lecturer concerned.

(3) The introductory course defined in (2) above shall be followed by systematic Observation and Practice-teaching, under the general supervision of the lecturers in the Ontario College of Education.

The Observation work shall begin in the third week of the session, and the Practice-teaching in the fifth week. Exclusive of the introductory work, the programme of instruction shall include for each student at least 25 full days of Observation and Practice-teaching. This number may be increased to meet the needs of individual students.

(4) (*a*) The Observation and Practice-teaching for each student shall be arranged to represent as far as practicable the work in all grades of the Secondary Schools.

(*b*) From time to time, throughout the College session, students shall be excused from the regular College exercises, and shall be assigned to approved practice-schools for continuous periods of Observation and Practice-teaching. For part of each of these periods of continuous practical work the student shall be wholly responsible for the management of his class.

(5) Students shall be notified of the subject and the scope of each Practice-teaching lesson required and shall prepare a plan of each Practice-teaching lesson for submission to the teacher.

(6) (*a*) The lecturers of the Ontario College of Education shall develop the details of their subjects in the teaching order, and, after each suitable step, model lessons will be taught in special classes and in the practice schools.

(*b*) From time to time, the lecturers of the Ontario College of Education shall be present at the Observation lessons and Practice-teaching of the students and shall join in the criticism and valuation of their work.

EXAMINATIONS

13. (1) The final standing of students in attendance shall be determined by the combined results of the sessional records and the records of the final examinations in the subjects of Part I, and by the results of the records of the Observation and Practice-teaching of Part II.

(2) The sessional records represent oral and written exercises, practical work, practice in making examination papers, and in valuing the answer-papers of pupils, and written examinations which shall test in particular the academic scholarship of the candidates.

(3) At the final examinations in Part I, each paper in the academic subjects shall contain questions in methodology, which shall test also the candidate's academic knowledge and, if his sessional records and his answers to these questions show that his academic knowledge is defective, he shall be rejected on this ground alone.

(4) No student in Science or in Modern Languages shall be recommended for a certificate who is not awarded 50% of the marks assigned to laboratory practice in Science or to the oral practice in the Languages.

(5) The maximum marks assigned to each subject in Part I shall be 100. In all subjects a maximum of 40% of the marks shall be assigned to the sessional records and 60% to the final written examinations.

(6) A maximum of 800 marks shall be assigned to Practice-teaching and of 300 to Observation. The standing of the student in Observation and in Practice-teaching shall be based upon his sessional records in the lessons following those which form part of the introductory courses.

CERTIFICATES

INTRAMURAL CANDIDATES

14. (1) A student who obtains 50% of the marks in each of the required subjects of Part I and 60% of the aggregate of the marks in each of the divisions of Part II, may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim High School Assistant's certificate, Type B.

(2) A student who passes in Part II and fails in not more than one of the required subjects of Part I will be exempted from further attendance.

(3) All other students who have failed to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

EXTRAMURAL CANDIDATES

15. (1) (*a*) Candidates who are exempted from attendance at the Ontario College of Education, as provided in Section 15. (1) (c), may complete their standing for a certificate by re-writing, at an annual examination, the examination in the subject in which they failed.

(*b*) Candidates who failed at an examination under former Regulations and who were exempted from subsequent attendance at the Ontario College of Education shall take, not later than a date determined in each case by the Minister of Education, the final examination papers as prescribed herein but their standing shall be determined in the subjects as constituted under the regulations in force when they first wrote.

(*c*) Candidates who have been exempted by the Minister of Education from attendance at the Ontario College of Education because they hold Permanent First Class[2] certificates issued on the completion of a second session of attendance at a Provincial Teachers' College, or because they hold Permanent First Class[2] certificates and for at least the last two years of their teaching experience have been graded better than "Average" by the Inspectors on the Teachers' Record Cards, and who are required to write on the final examinations of the Ontario College of Education shall present to the College, on or before February 1st[3] of the year in which they write the final examinations of the High School Assistants' course, Type B, evidence of graduation as required by Section 10 (1) (*e*)[1]; they shall take the prescribed final examinations in the subjects of Part I, and shall also satisfy the examiners that they are competent to teach efficiently the subjects of the High School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

(2) The pass standard for candidates exempt from attendance shall be the same as that for candidates in attendance, as required by Section

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[1]From candidates exempted from attendance by the Minister, the College will accept in lieu of the actual certificate of graduation, an official statement from the candidate's university that the candidate has completed the work for the degree on or before February 1st of the year in which he presents himself to write the final examinations of the College, and that he will receive the degree at the next regular Convocation of his university.

[2]Now called the Elementary-School Teacher's certificate.

[3]This applies to extramural candidates for any certificate listed in the calendar.

14. (1), but no allowance shall be made for sessional work, if any, in the case of candidates not in attendance.

(3) (*a*) Candidates exempt from attendance at the Ontario College of Education under (1) (*c*) above or (4) (*a*) below shall take their practical tests in Part II at such times during the session as may be agreed upon with the examiners, but not later than May 1st. They shall take their examinations in the subjects of Part I at one annual examination at the close of the session on dates to be determined by the examiners.

(*b*) Candidates exempt from attendance may take their written examinations in Part I at the Ontario College of Education, Toronto, or at one of the Provincial Teachers' Colleges outside of Toronto or, in the case of candidates who live in Provincial Districts, at approved local centres where inspectors of schools are available as presiding officers.

(*c*) Candidates exempt from attendance shall take their practical tests at the Ontario College of Education, Toronto, or, in special cases, at local centres under the supervision of the visiting Provincial Inspector. The conditions that determine these cases may be learned from the Ontario College of Education on application at the beginning of the session. A candidate who has failed in the practical tests at the Ontario College of Education or under a Provincial Inspector shall not be admitted to a second practical test during the same College session.

(4) (*a*) Candidates who have fulfilled the requirements for admission to the High School Assistants' course, Type B, and (*i*) who hold Ontario First Class[2] certificates issued on the completion of one session of attendance at an Ontario Teachers' College and have had at least three years of successful teaching experience[1] in the Public, Separate, or Continuation Schools of Ontario, or (ii) who hold Permanent Second Class certificates issued on the completion of one session of attendance at an Ontario Teachers' College and have had at least six years of successful teaching experience in the Public or Separate Schools of Ontario, or (iii) who hold Permanent Second Class certificates issued on the completion of a second session of attendance at an Ontario Teachers' College, or (iv) who hold interim Vocational certificates and have had at least two years of successful teaching experience in the Vocational Schools of Ontario, shall be exempted from attendance at the Ontario College of Education but shall attend the Summer course for a High School Assistant's certificate, Type B, conducted by the Department of Education, and shall take the final examinations of the Summer course in the prescribed subjects of Part I. They shall also satisfy the examiners that they are competent to teach efficiently the subjects of the Secondary School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two

[1]Service personnel may count a year of service for a year of teaching experience, up to a maximum of two years, but *such candidates will be required to take a practical test in teaching.*

[2]Now called the Elementary-School Teacher's certificate.

years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

(*b*) A candidate who has been duly admitted to the Summer Session for the High School Assistant's certificate, Type B, who attends throughout the session, and who successfully passes the examinations at the close of the session, may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim High School Assistant's certificate, Type B. The recommendation, however, will be withheld until the candidate has satisfied the examiners as indicated in (4) (*a*) above that he is competent to teach efficiently the subjects of the High School courses.

(*c*) Candidates who have obtained Interim Vocational certificates by attendance at the Ontario Training College for Technical Teachers or the Ontario College of Education, and who in addition to the practice teaching lessons required for a Vocational certificate, have taught to the satisfaction of the staff of the Ontario College of Education, at least ten lessons in academic subjects (English, Mathematics and Science) shall be exempted from the practical test in teaching.

(*d*) Candidates who have attended the Summer Course or have been exempted from attendance under (1) (*c*) above, and who fail in one or more of the various tests prescribed for an Interim High School Assistant's certificate, Type B, may complete their standing for said certificate under the following conditions: (i) candidates who fail in the practical test in teaching shall be admitted to a second test in a subsequent College Session; (ii) candidates who fail in more than one subject of Part I shall rewrite at one annual examination of the College Session the examinations in all prescribed subjects of Part I; (iii) candidates who fail in not more than one subject of Part I may rewrite at an annual examination of the College Session, the examination in the subject in which they failed; (iv) candidates who do not pass the final examinations of the Summer Session will be required to take the final examinations of the regular College Session within three years of having attended a Summer Session in this course, or must re-attend the Summer Session in order to be eligible for admission to the examinations for an Interim High School Assistant's certificate, Type B.

(*e*) Other candidates who hold an Ontario First[2] or Second Class certificate with the academic standing required for admission to the High School Assistants' course, Type B, shall be exempted from attendance during the Autumn term[1]; but shall take all sessional tests held in the Winter and Spring terms and all the final examinations prescribed for Part I and shall also satisfy the examiners by practical tests that they are able to teach the subjects of the Secondary School courses.

[1]Application for admission to the College at the beginning of the second term in January should be made not later than December 1st. Enrolment in January may be limited according to the available accommodation.

[2]Now called the Elementary-School Teacher's certificate.

LETTER OF STANDING

16. (1) Candidates who have fulfilled the requirements for admission to the Course leading to the Interim High School Assistant's certificate, Type B, and who are exempted by the Minister of Education from attendance at the Ontario College of Education on account of equivalent training in other provinces of Canada or in other countries of the British Commonwealth of Nations, may be granted a *Letter of Standing* by the Minister valid, for not more than one year from the date of issue, in a secondary school, or in Grades IX and X of an elementary school.

(*a*) Before being granted a *Letter of Standing* an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education.

(*b*) Before being granted a *Letter of Standing* an applicant must submit a certificate from a competent authority that he is a British subject.

(2) On the statement of the Principal that the candidate has taught successfully for one year under the authority of a *Letter of Standing*, he may be recommended by the Inspector concerned for the Interim High School Assistant's certificate, Type B.

COURSES FOR INTERIM HIGH SCHOOL ASSISTANTS' CERTIFICATES, TYPE A

CONDITIONS OF ADMISSION

17. (1) Applicants for admission to the courses for Interim High School Assistants' certificates, Type A, or to the final examinations for said certificates,[2] shall also be applicants for admission to the course for the Interim High School Assistant's certificate, Type B, or shall be applicants for admission to the examinations therefor without attendance throughout the session, or shall already hold High School Assistants' certificates. No candidate will be awarded an Interim High School Assistant's certificate, Type A, or receive credit towards said certificate *before* he has been awarded an Interim High School Assistant's certificate, Type B.[1]

(2) A candidate for an Interim High School Assistant's certificate, Type A, who is also a candidate for admission to the course for an Interim High School Assistant's certificate, Type B, shall comply with the conditions for admission prescribed for candidates for the Interim High School Assistant's certificate, Type B, and shall submit evidence of standing not lower than 66% (except for Home Economics which shall be 60%) in the final or graduation courses approved by the Minister of Education.

(3) The applicant whose standing is below 66% but not lower than 60% in these approved courses will be admitted to the final examinations leading to the Interim High School Assistant's certificate, Type A, on submitting evidence from the Principal and High School Inspector of at least five years' teaching experience, graded better than average, in a Secondary School of Ontario subsequent to obtaining the academic standing referred to above. The initial inquiry should be addressed to the Ontario College of Education.

[1]See Section 1 (2). [2]See footnote 3, page 19.

COURSES[1]

18. (1) Courses shall be offered for Interim High School Assistants' certificates, Type A, in Agriculture, Classics, English, English and French, English and German, English and Latin, English and Spanish, Geography, History, French and German, French and Italian, French and Spanish, Latin and French, Latin and Greek, Mathematics, Mathematics and Physics, Science, Physics and Chemistry, Physics and Biology, Chemistry and Biology, and Home Economics.

(2) Courses shall also be offered leading to Interim High School Assistants' certificates, Type A, in Physical Education, Art, Instrumental Music, and Vocal Music, under the conditions defined in Section 26.

(3) Each Type A course shall consist of at least the equivalent of two seminar-periods per week throughout the Session and of special Observation and Practice-teaching in the subjects in which the candidate is an applicant for a High School Assistant's certificate, Type A.

TEXT-BOOKS

19. Students in the courses for High School Assistants' certificates, Type A, shall supply themselves with such text-books as may be recommended by the instructors.

EXAMINATIONS

20. (1) Subject to the condition that no student may be awarded an Interim High School Assistant's certificate, Type A, who does not already hold or is not also awarded an Interim High School Assistant's certificate, Type B, the final standing of students in attendance in the High School Assistants' courses, Type A, shall be determined by the records of the Practice-teaching in the department or subject concerned, and by the combined results of the sessional records and the records of the final examinations in the same department or subject. The sessional records represent oral and written exercises, practical work, practice in preparing examination papers, and in valuing the answer-papers of pupils, and such term work as the instructors may prescribe. The records of the final examinations shall be based upon two examination papers taken in each department at the close of the session. The maximum marks represented in the Practice-teaching shall be 100; in the sessional records 40; and in the final written examinations of the department or subject 60.

(2) The final standing of students not in attendance shall be determined by the final written examinations and by teaching in the department concerned. For this purpose the maximum of marks in each case shall be 100.

CERTIFICATES

21. (1) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A,

[1]See footnotes 1, 2, page 16

referred to in Section 18 to students in attendance who have fulfilled the conditions of the course for the Interim High School Assistant's certificate, Type B, and in their High School Assistants' course, Type A, have obtained (*a*) 66% of the aggregate of marks represented in the sessional records and the records of the final examinations and (*b*) 66% of the marks assigned to the Practice-teaching.

(2) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A, of Section 18 (1) to students exempt from attendance who hold or are awarded High School Assistants' certificates, who are duly qualified for admission to a High School Assistants' course, Type A, and who obtain 66% of the marks assigned to the written examinations and to the Practice-teaching, respectively, in the High School Assistants' course, Type A, concerned.

(3) Students who are awarded Interim High School Assistants' certificates, Type A, in Home Economics under (1) and (2) above and who hold or obtain First[1] or Second Class certificates are qualified to teach in the Home Economics departments of Public and Separate Schools.

(4) (*a*) For students not in attendance the written examinations in the courses for Interim High School Assistants' certificates, Type A, of Section 18 (1) will be held at the close of the session at such centres and under such conditions as are set out in Section 15 (3).

(*b*) For students not in attendance the practical examinations shall be held at the Ontario College of Education, Toronto, or at local centres as prescribed in Section 15.

SUPPLEMENTARY COURSES[2]

22. Students in attendance in the High School Assistants' course, Type B, may take also *one*[3] of the following Supplementary courses:

I. Course for the Elementary Physical Education certificate, Type A.
II. Course for the Elementary Art certificate.
III. Course for the Elementary Vocal Music certificate, Type A.
IV. Course for the Elementary Instrumental Music certificate, Type A.
V. Course for the Elementary Commercial certificate.[4]
VI. Course for the Elementary Industrial Arts certificate, Type A.[5]
VII. Course for the Elementary Certificate in Home Economics.

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[1]Now called the Elementary-School Teacher's certificate.

[2]Students taking the High School Assistants' courses, Type A in Physical Education, Art, Vocal Music, Instrumental Music, or Home Economics are responsible for the Elementary course, or in the case of Home Economics the Intermediate course, in these subjects and may not take a supplementary course in another field.

[3]Any student may, with the approval of the instructor, take the Ele-

VIII. Course for the Intermediate Home Economics certificate.[6]

IX. Course for the Interim Elementary-School Teacher's certificate.

Within one month of the beginning of the above Supplementary courses, the student shall satisfy the instructor of the Supplementary course he has chosen that he is adapted to the study of the course, orhis registraton in the Supplementary course shall be cancelled.

23. (1) The subjects of supplementary courses I–IX shall be those set forth in Sections 52–63 and 31, respectively. Observation and Practice-teaching are obligatory in each of these supplementary courses.

(2) Students in supplementary courses I–IX shall supply themselves with such text-books and equipment as may be recommended.

EXAMINATIONS OF SUPPLEMENTARY COURSES I–VIII[7]

24. (1) PHYSICAL EDUCATION:

Practical Tests:

FOR WOMEN: Fundamental Movements, Dance, General Activities, Games.

FOR MEN: Basic Drill, Gymnastics, Apparatus, Games, Swimming.

Fifty per cent of the marks in each of the practical tests shall be assigned to the sessional and fifty per cent to the final tests.

Written Examination:

Theory, Methods and Materials.

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mentary courses in both Vocal Music and Instrumental Music.

[4]Admission to this course is restricted to students who submit evidence of having a satisfactory functional knowledge of the elementary principles of Bookkeeping, Shorthand and Typewriting, or of having successfully completed an approved course in Bookkeeping, Shorthand and Typewriting in a Vocational secondary school or at a university. A student who submits the required evidence with respect to *two* of the three subjects mentioned above may be allowed by the Dean to proceed with the course. A supplementary course for beginners in Bookkeeping, Shorthand, Typewriting and Penmanship is also open fo any one who wishes to commence the study of these subjects with the intention of continuing in commercial education. Upon the successful completion of the beginners' course, a subsequent Summer Session would be required to obtain the Elementary certificate.

[5]The Supplementary courses leading to the Interim Elementary-School Teacher's certificate and to the Interim Elementary Type A certificate in Industrial Arts may not be completed in the regular College session, but require one subsequent Summer session before the candidates will be recommended for the certificates.

[6]Admission to this course is restricted to students who submit evidence of graduation, with a standing not lower than 60% in the Home Economics of the final year from a University course approved by the Minister of Education in which, for at least the last two years of the course, Home Economics has been a regular subject of study.

[7]See Section 29 for Course IX.

(2) ART:

Practical Tests:

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering.

Written Examinations:

Theory and History of Art, Methods of Teaching Art.

(3) VOCAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Voice Training and Song Material, Conducting.

Written Examinations:

Rudiments of Music, Music Appreciation, Methods.

(4) INSTRUMENTAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Technical Training, Conducting.

Written Examination:

Methods.

(5) COMMERCIAL SUBJECTS:

Practical Tests:

Shorthand Practice, Typewriting, Penmanship.

Written Examinations:

Shorthand Theory, Bookkeeping, Methods.

(6) INDUSTRIAL ARTS:

Practical Tests:

Draughting, Woodworking, Sheet Metal Work, Machine Shop Practice.

Written Examination:

Methods of instruction and class organization of the General Shop.

(7) HOME ECONOMICS—ELEMENTARY COURSE:

Practical Tests:

Personal, family and social relationships; The home; Food and Nutrition; Clothing and textiles.

Written Examination:

Theory and Methods, Grades IX and X.

(8) HOME ECONOMICS—INTERMEDIATE COURSE:

Practical Tests:

Meal Management; Care of the Home and Family; Clothing—Selection, Construction and Care.

Written Examinations:

Theory and Methods. Parts I and II

CERTIFICATES FOR SUPPLEMENTARY COURSES I–VIII[1,2]

25. (1) On the recommendation of the examiners the Minister of Education may grant an Elementary certificate in Art or an Elementary Certificate in Home Economics or an Elementary Commercial certificate or an Elementary Type A certificate in Physical Education or Vocal Music or Instrumental Music or an Intermediate certificate in Home Economics, or standing in Part I of the course for the Elementary Type A certificate in Industrial Arts, as the case may be, to a student in the course for an Interim High School Assistant's certificate, Type B, provided that the said student is awarded an Interim High School Assistant's certificate, Type B, and obtains a minimum of 60% of the marks assigned to practice-teaching and (*a*) in Commercial subjects a minimum of 50% of the marks assigned to each subject, or (*b*) in Art or Physical Education or Industrial Arts or Vocal Music or Instrumental Music or Elementary Home Economics or Intermediate Home Economics a minimum of 60% of the marks assigned to each subject of the written examination and practical tests.

No student shall be recommended for a certificate or for standing in Art or Physical Education or Vocal Music or Instrumental Music or Industrial Arts or Home Economics or Commercial Subjects whose attendance or progress in any part of the course has been reported as unsatisfactory.

(2) The Dean shall investigate the claims of the candidates for the Elementary Type A certificate in Physical Education who report themselves as unable for physical reasons to take the course in swimming, provided that such claims are presented to the instructor on a form and after a manner defined by the Minister of Education. Candidates who are exempted by medical certificate from the course in swimming and candidates who have failed to obtain pass standing in the course in swimming may be awarded Elementary Type A Physical Education certificates endorsed "not including swimming".

(3) On the recommendation of the examiners, the Minister of Education may permit candidates in the supplementary courses I–VIII who have been awarded Interim High School Assistants' certificates, Type B, and have obtained a minimum of 60% of the marks assigned to practice-

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[1]The certificates which are mentioned herein are those valid for teaching in High Schools, i.e., in Physical Education, the Elementary Type A, and the Type A; in Vocal Music and Instrumental Music, the Elementary Type A, and the Type A; in Art, the Elementary and the Type A; in Industrial Arts, the Elementary Type A; in Home Economics, the Elementary and the Intermediate; and in Commercial Subjects, the Elementary.

[2]See Section 33 for Course IX.

teaching but have failed to obtain standing in their respective courses to complete their standing in said courses under the following conditions:

(i) In Physical Education or Industrial Arts or Home Economics, candidates who fail in the written examination, but pass in all the subjects of the practical tests may complete their standing by passing in the written examination at a subsequent examination without further attendance; candidates who pass in the written examination but fail in one or more of the subjects of the practical tests may complete their standing by passing in the subjects concerned at a subsequent Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(ii) In Art or Vocal Music or Instrumental Music, candidates who fail in not more than two subjects of the written and practical tests may complete their standing by passing in the subjects concerned at a subsequent examination without further attendance, but in the subjects of the practical tests such candidates must try the tests conducted at the Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(iii) In the Commercial course, candidates shall be allowed credit towards an Elementary certificate in the subject or subjects in which they are successful.

COURSES FOR THE HIGH SCHOOL ASSISTANTS' TYPE A CERTIFICATES IN PHYSICAL EDUCATION, ART, VOCAL MUSIC, AND INSTRUMENTAL MUSIC

26. (1) Admission to the High School Assistants' course, Type A, in Physical Education as well as the Elementary course in Physical Education will be granted to students (i) who hold the degree of Bachelor of Physical and Health Education of the University of Toronto with a final standing not lower than 60%, or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and who hold the degree of Bachelor of Physical and Health Education of Queen's University with a final standing not lower than 60%, or (iii) who hold the degree of Bachelor of Arts of the University of Western Ontario obtained in the honour course[1] in Physical Health and Recreation Education, with a final standing not lower than 60%.

(2) Admission to the High School Assistants' course, Type A, in Art as well as the Elementary course in Art will be granted to students who hold the degree of Bachelor of Arts of the University of Toronto obtained in the honour course in Fine Art or in Art and Archaeology with a final standing of not lower than 66%.

(3) Admission to the High School Assistants' course, Type A, in Vocal Music[2] will be granted to students (i) who hold either the degree

[1]Graduates of this course with the Recreation option are not eligible for the Type A course in Physical and Health Education.

[2]Students of the Type A course in Vocal Music may, with the approval of the instructor, take the Elementary course in Instrumental Music.

of Bachelor of Arts of the University of Toronto obtained in the honour course in Music or the Bachelor of Music degree of the University of Toronto obtained in the course in Music Education,[1] with a standing of at least 60 per cent., or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the degree of Bachelor of Music of the University of Toronto obtained in the course in General Music, or (iii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the teacher's or performer's diploma of the Royal Conservatory of Music of Toronto, or the Special Music certificate of Queen's University, or the Associate (teacher's) diploma of the Western Ontario Conservatory of Music, or the Diploma of Music Graduate in Pedagogy of the University of Western Ontario.

Admission to the High School Assistants' Course, Type A, in Instrumental Music will be granted to students who hold the Bachelor of Music Degree of the University of Toronto obtained in the course in School Music.[1]

27. Students admitted to the High School Assistants' course, Type A, in Physical Education, Art, Vocal Music or Instrumental Music under Section 26 shall supply themselves with such text-books and equipment as may be recommended by the instructors.

CERTIFICATES

28. (1) On the recommendation of the examiners, the Minister of Education may grant High School Assistants' certificates, Type A, in Physical Education, Art, Vocal Music or Instrumental Music to those admitted under Section 26 who fulfil the conditions stated in Sections 20 and 21 (1).

(2) Students who are awarded Interim High School Assistants' certificates, Type A, in Physical Education, Art, Vocal Music or Instrumental Music under Section 26 and who hold, or obtain, Second or First Class[2] certificates may also be awarded Supervisors' certificates valid in Public and Separate Schools.

29. COURSE FOR THE INTERIM ELEMENTARY-SCHOOL TEACHER'S CERTIFICATE[3]

The course is conducted in accordance with the conditions prescribed in the Regulations, Examinations and Courses of Study of the Ontario Teachers' Colleges. It may not be completed in the regular College session but requires a subsequent Summer Session before the candidates will be recommended for the certificate.

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[1]This refers to the degree in the course in Music Education of the University of Toronto, introduced in 1946.

[2]Now called the Elementary-School Teacher's certificate.

[3]Course IX as listed in Section 22.

CONDITIONS OF ADMISSION

30. (1) Applicants for admission to the course for the Interim Elementary-School Teacher's certificate or to the final examinations for said certificate shall comply with the conditions of admission and attendance prescribed for candidates for the Interim High School Assistant's certificate, Type B. No candidate will be awarded an Interim Elementary-School Teacher's certificate before he has been awarded an Interim High School Assistant's certificate, Type B.

TEXT-BOOKS

(2) The text-books for the academic work of the course shall be those prescribed in each subject for the High, Public and Separate Schools.

PROGRAMME OF STUDIES

31. The course of training, which is supplementary to the course of training for the Interim High School Assistant's certificate, Type B, includes the following subjects some of which will be offered in the regular College session, the remainder in a Summer Session:

Part I: Educational Psychology; School Management; English, Part I; English, Part II; Mathematics; Social Studies; Science and Agriculture; Art; Music; Physical Education; Health; Industrial Arts.

In the development of the methodology of the course, emphasis shall be laid upon the correlation and integration of the subjects, and upon the importance of wholesome, vigorous, shared activities, directly connected with the learner's capacities and interests. The teacher's main function shall be represented as the stimulation and guidance of the learner, through the control of the regulating environment of the school; this postulates freedom and responsibility for the teacher and demands positive, definite teaching.

Part II: Observation and Practice-teaching—at least ten full days—to be conducted under conditions defined in Ontario Teachers' College courses for the Interim Elementary-School Teacher's certificate.

EXAMINATIONS

32. (1) Subject to the condition that no student may be awarded an Interim Elementary-School Teacher's certificate who is not also awarded an Interim High School Assistant's certificate, Type B, the final standing of the students in attendance in the course for an Interim Elementary-School Teacher's certificate shall be determined by the records of the Observation and Practice-teaching and by the combined results of the

sessional records and the records of the final examinations in such course. Subject to the same condition, the final standing of candidates not in attendance shall be determined by the records of the final written examinations and of Practice-teaching.

(2) The examinations in the subjects of the course for an Interim Elementary-School Teacher's certificate shall be conducted, *pari passu*, in the terms and under the conditions set out in the Teachers' College Courses for the Interim Elementary-School Teacher's certificate.

CERTIFICATES

33. (1) (*a*) Subject to the conditions of Section 32 (1), and to the conditions defined in Ontario Teachers' College courses for the Interim Elementary-School Teacher's certificate, a candidate who obtains 60% of the marks in each subject of the course and 60% of the aggregate of the marks in each of Observation and Practice-teaching may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim Elementary-School Teacher's certificate.

(*b*) Subject to the same conditions, a candidate who passes in Observation and Practice-teaching and fails in not more than two subjects shall be exempted from further attendance and may complete his course for an Interim Elementary-School Teacher's certificate by rewriting at one annual examination the examinations in the subject or subjects in which he failed.

(2) All candidates other than those referred to in (1) (*b*) above who have failed to obtain the necessary final standing will be required to attend such other sessions as the Minister may prescribe.

(3) Section 15 (1) (*a*), (*b*), (2) and (3) (*b*), which apply to the candidates for the Interim High School Assistant's certificate, Type B, who are exempt from attendance, shall apply also, *pari passu*, to candidates for the Interm Elementary-School Teacher's certificate who are exempt from attendance.

(4) The Regulations of the Department of Education respecting Permanent Elementary-School Teachers' certificates are contained in the Department's Circular No. 72. Holders of Interim Elementary-School Teachers' certificates obtained after training at the Ontario College of Education are referred to Regulations III (2).

DETAILS OF SUBJECTS

34. The details of the subjects of the courses for Interim High School Assistants' certificates, Types A and B, for Elementary certificates in Physical Education, for Elementary certificates in Art, for Elementary certificates in Instrumental Music and Vocal Music, for Elementary

certificates in Home Economics, for Intermediate certificates in Home Economics, and for standing in Elementary Industrial Arts, are set out below.

For the course for the Interim Elementary-School Teachers' certificate these details and subjects shall be supplemented by the details and subjects set out in the Teachers' College courses for the Interim Elementary-School Teachers' certificate.

INTRODUCTION TO EDUCATION

35. The nature, foundations and status of Educational Theory: historical review and consideration of purposes and aims of education.

The significance for modern educational thought and practice, of broadly distinctive schools of philosophy: survey of the values and practices emphasized by outstanding educationists, particularly, but not exclusively, of the last two centuries.

Current educational thought: contemporary aims, problems and practices in education, with particular reference to secondary education.

School and society: relationship of school to the home and other educational agencies in the community.

EDUCATIONAL PSYCHOLOGY

36. (1) *The psychology of adolescence.*—The place of the adolescent in our culture; his physical, social, emotional, and intellectual growth; formal and informal means of assessing individual development in these areas; adapting schooling to individual differences.

(2) *The psychology of learning.*—Introduction to the learning process; motivation including the nature of goals, classroom motivation, various patterns of teacher-leadership, classroom discipline; factors affecting the learning of concepts and principles; identification and the learning of attitudes; practice and the learning of skills; transfer of training; the rate of learning and forgetting; evaluation of educational progress.

(3) *The psychology of personality.*—Adjustment to frustration; personality structure and character formation; the mental health of teacher and pupils.

(4) *Guidance.*—Basic principles and current practices in guidance.

SCHOOL MANAGEMENT AND LAW

37. School Management, School Organization, School Administration; aims and scope of each; relation of each to the teaching process.

The Ontario school system: Department of Education, and its organization and functions; local administrative units; school boards, their selection, organization and functions; types of schools; school finance and business administration; relation to other public services.

The High School plant: provision, maintenance, care and use; special accommodations; relation to community activities.

The High School curriculum: aim, structure and use; texts; extra-curricular activities.

The High School pupil: attendance, rights, duties, guidance.

The High School teacher: professional status; personal qualifications; training and certification; appointment, tenure, payment, superannuation; duties in relation to trustees, parents and other citizens; duties in relation to supervisors, colleagues and pupils; freedom and responsibility.

High School organization: admission, exclusion, classification, grading, promotion, tests of progress, records and reports, recommendations, staff-meetings, time-tables, supervised study, homework.

Supervision: inspectors, principals, heads of departments; their powers and duties.

Discipline: aim and scope; relation to methods of teaching; incentives; causes of disorder and inattention; methods of dealing with weaknesses and delinquencies.

School Law and Regulations: Public Health Acts and Regulations in so far as they refer to the duties of school boards, teachers and pupils.

ENGLISH

38. (1) *Literature.*—The place of literature in school courses; the principles followed in Ontario and elsewhere in arranging literature courses for schools; books suitable for intensive and extensive study in the various forms or grades of the school; class treatment of such types of literature as the short poem, the long narrative poem, the play, the essay, the short story, and the novel; examinations in literature; supplementary reading, its importance, selection of books, testing of reading.

The course in literature includes a consideration of the problems connected with the teaching of silent and expressive reading.

(2) *Composition.*—The aim in teaching composition; principles to be followed in arranging a course; the place of grammar and of rhetoric in the High School course; the use of models; choice and variety in subjects; assigning, valuing and correcting compositions; special problems of oral composition.

SEMINAR IN ENGLISH

For Type A candidates in English and, in part, English and French, English and Latin, English and German, and English and Spanish.

39. A consideration of the following phases of the teaching of English: (*a*) courses of study, (*b*) presentation of difficult topics, (*c*) special methods of teaching.

SOCIAL STUDIES: GEOGRAPHY AND HISTORY

40. Place and objectives of the Social Studies in the secondary school curriculum; nature of Social Studies, Geography, and History, as subjects; course of study in the Intermediate and Senior Divisions in Ontario;

demonstration and discussion of teaching procedures: planning a course of study; standards and examinations; books and other equipment.

41. SEMINARS IN GEOGRAPHY AND IN HISTORY.

For Type A candidates in Geography and in History.

Teaching and discussion of selected topics from the courses of study in the Senior Division; the role of the specialist teacher.

MATHEMATICS

42. A consideration of:

(*a*) the courses of study, Grade IX to Grade XII,

(*b*) methods of presenting topics in the various courses with special emphasis on the work of the earlier grades,

(*c*) measurement and the degrees of accuracy when computing with approximate numbers,

(*d*) the use of mathematical models and devices to provide motivation and to illustrate applications of the work in Mathematics.

SEMINAR IN MATHEMATICS

For Type A Candidates in Mathematics and, in part, Mathematics and Physics.

43. Methods of presenting prescribed Grade XIII topics in Trigonometry and Statics, Analytic Geometry and Senior Algebra. The analysis of some of the more difficult problems in Grade XII Geometry is also considered. In Statics, an experimental treatment of the work, as well as problem solving, is emphasized. Consideration is given to examinations in Mathematics, the teaching of the more mature or gifted pupils, the selection of suitable Historical references, mathematical models and equipment.

SCIENCE

44. *General Science.*—The content and methodology of the courses for Grades IX and X. Emphasis on the use of living specimens in the teaching of biology; other visual aids such as preserved specimens, diagrams, charts, models, photographs, lantern slides, films, microprojectors; laboratory classes; demonstration experiments; pupils' reports; classroom discussion in relation to experimental work.

Physics and Chemistry.—The content and methodology of the prescribed courses for Grades XI and XII. Methods of conducting laboratory classes; demonstration experiments; the care and use of equipment; development (inductively) of the laws of physics and chemistry.

SEMINAR IN SCIENCE

For Type A candidates in Science *or* Physics and Chemistry *or* Physics and Biology *or* Chemistry and Biology and, in part, Mathematics and Physics.

45. Methods of presenting the topics prescribed for study in Grade XIII physics, chemistry, and biology during the current year. The purchase, storing, maintenance and repair of apparatus; the organization of the science programme; science clubs; the keeping of living animals and plants. The seminars in each of physics, chemistry and biology are conducted separately.

SEMINAR IN AGRICULTURE

For Type A Candidates in Agriculture[1]

46. The History of agricultural education in the United States and Canada and particularly in Ontario: developments prior to 1904; developments since 1904; the influence of Departmental regulations, the Ontario Agricultural College, Summer Courses and various organizations in the development of agricultural education; the present regulations of the Department of Education and their relation to the teaching of Agriculture in the elementary and secondary schools and Teachers' Colleges; qualifications of teachers; relations of school boards and teachers; provisions for inspection and reports; elective courses, and vocational agricultural courses in secondary schools.

Equipment and methods; special equipment needed for agricultural topics; arrangement of laboratory and classroom; storage and care of apparatus; preparation of illustrative material and charts; the projection lantern; the moving picture machine; agricultural periodicals, reference books and other sources of information; the school garden, planning and care; beautification of school grounds; home projects and collections; planning of courses; types of lessons; use of illustrative material; correlation of the science subjects in courses in agriculture.

CLASSICS (LATIN AND GREEK)

47. The relation of method in teaching Latin or Greek to linguistic method in general; the effect of the object of teaching Latin or Greek upon the method in various departments, such as oral reading, grammar, translation, sight reading, and the literary or historical content; illustration of methods in typical lessons.

Pronunciation; oral reading, sight reading, and English translation as prescribed for Grades XI and XII; general principles of word-structure and sentence-structure; word order; methods of teaching the parts of a lesson; topics of inflection and syntax as found in the Latin and Greek Books; special emphasis on difficult topics.

The course will stress oral practice in Latin.

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[1]Candidates for the High School Assistant's certificate, Type A, in Agriculture shall take also the Science of the course for the High School Assistant's certificate, Type B.

SEMINAR IN CLASSICS

For Type A Candidates in Classics, Latin and Greek, and, in part, Latin and French, and English and Latin

48. In the seminar in Classics, the topics treated will be those which are germane to the teaching of the Latin and Greek authors and prose prescribed for study in Grade XIII during the current year. These will include:

A study of adequate translation of the works of Latin and Greek authors.

Appreciation of the art of Horace, Virgil, Catullus, and Homer.

The Philosophy of Horace.

The legacy of Greece and Rome.

The teaching of the following metres: Hexameter, Elegiac, Sapphic, Alcaic.

The different types of poetry represented in the prescribed authors and the debt of English writers to classical originals.

The teaching of Latin continuous prose composition.

The morphology and syntax of Attic Greek together with a general treatment of the principles of Greek accent.

FRENCH, GERMAN, SPANISH OR ITALIAN

49. Pronunciation: Study of sounds and their spelling; phonetic symbols; devices for teaching; intonation exercises; dictation; singing.

Course of Studies in Grades IX and X: Introductory lessons, including conversational work for beginners; reading for comprehension; vocabulary building; conversation based on reading; paraphrasing; dictation; functional grammar, stressing the verb and pronoun.

Course of Studies in Grades XI and XII: Methods of conducting reading; increased emphasis placed on writing; grammar; translation from English into the foreign language; supplementary reading; testing.

Illustration of methods in typical lessons.

The course will stress oral practice in the foreign language.

SEMINAR IN MODERN LANGUAGES

For Type A Candidates in French and German *or* Spanish *or* Italian, and in part, Latin and French, English and French *or* German *or* Spanish.

50. In the seminar in Modern Languages, stress will be laid upon methods of presenting the work to be studied in Grade XIII during the current year.

Topics treated will include: Teaching of advanced grammar and prose composition; correction of written work; conducting of reading lessons; sight reading; supplementary reading; free composition; conversation; making of examinations; use of dictionaries and books of reference.

SEMINAR IN HOME ECONOMICS

(For Type A Candidates)

51. The development of Home Economics in Ontario schools. Present trends, values and aims.

Responsibilities of the home economics teacher for curricular and extra-curricular programmes.

Curricula: materials, procedures, content.

Teaching methods and techniques currently applied in this field.

Evaluation: objectives and materials.

The home economics classroom: selection, placement and care of furnishings and equipment.

Records, budgets, regulations.

The above topics will be presented, explored, discussed and demonstrated in regular seminars and accompanying demonstration classes.

PHYSICAL EDUCATION

52. This course is outlined in the Courses of Study for Grades IX-XIII issued by the Ontario Department of Education.

COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Theory, Methods and Materials (for men and women).

Practice (for men):

(*a*) Basic Drill.
(*b*) Gymnastics.
(*c*) Apparatus.
(*d*) Games.
(*e*) Swimming.

Practice (for women):

(*a*) Fundamental Movements.
(*b*) Dance.
(*c*) General Activities.
(*d*) Games.

SEMINAR IN PHYSICAL EDUCATION

For High School Assistants', Type A Candidates

53. (1) Organization and administration, including the following:
(*a*) aims, objectives and policies,
(*b*) selection and grading of teaching material,
(*c*) marking and testing,
(*d*) planning the curricular and extracurricular programmes.
(2) Methods and survey of material (Women):
(*a*) Physical Education—fundamental movements, dance, general activities, games, swimming.

(*b*) Health Education—anatomy, physiology, body mechanics, first aid, healthful living, child study.

(3) Methods and survey of material (Men):

(*a*) Physical Education—basic drill, gymnastics, apparatus, games, swimming,

(*b*) Health Education—anatomy and physiology, first aid, safety education, healthful living.

ART

54. COURSE FOR THE ELEMENTARY CERTIFICATE

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering, Theory and History of Art, Methods of Teaching Art.

SEMINAR IN ART

For High School Assistants', Type A Candidates

55. The seminar in Art will discuss classroom methods and problems relating to the advanced grades. Special emphasis will be given to (*a*) the securing, organizing and use of illustrative source material, such as slides, prints and exhibitions which can be used to interpret and intensify the study of art history and art criticism; (*b*) a more advanced study of the theory, history and practice of art.

VOCAL MUSIC

56. COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Voice Training and Song Material:

The adolescent voice; choral singing; practice in tone production, intonation, diction, and breath control; blending of voices in part singing; interpretation; analysis of song material for Grades IX and X.

Conducting:

The conducting patterns of common metres; special problems: attack and release, incomplete bars, expression, use of the left hand.

Rudiments of Music:

Notation (notes, rests, clefs); intervals and their inversion; metre and rhythm; scales (diatonic and chromatic); transposition; musical terms, abbreviations and ornaments.

Music Appreciation:

Teaching of the topics prescribed for Grades IX and X; the human voice, musical instruments, elementary form, nationalism, music aesthetics; study of selected compositions through recordings; organization of a course in music appreciation; choice and care of equipment.

Methods:

General principles of music education; analysis of the course for Grades IX and X; voice testing; teaching of rote songs, reading songs, part songs and theory; use of the piano; integration of music with other subjects; the relation of the school orchestra to the vocal programme; elementary scoring and transposition for instruments.

INSTRUMENTAL MUSIC

57. COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Technical Training:

Fundamentals of tone production and basic fingering in all families of instruments; playing scales, diatonic and chromatic; simple melodies; reading orchestral scores of elementary range; construction and care of all types of instruments.

Conducting:

The conducting patterns of common metres; special problems of conducting in instrumental groups.

Methods:

General principles of organization and instruction of instrumental classes; special methods of class teaching for strings, band classes, or combined groups.

NOTE: This is a practical course, with the emphasis laid on two essential points, (i) individual mastery of instruments;
(ii) methods of class teaching.

SEMINAR IN VOCAL MUSIC

For High School Assistants', Type A Candidates

58. *Sight Singing and Ear Training:*

Sight reading of songs based on the theory prescribed for Grade XIII; extraneous modulation; singing of major scales from any note in the scale

to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords listed below for harmony; detection of errors in the performance of more advanced part songs.

Voice Training and Song Material:

Advanced study of topics listed in the Elementary Type A Course through choral works; unaccompanied singing; modern theories of voice training; the teaching of special classes in voice training; selection of song, choral and operatic material for Grade XIII classes, public performances and festivals.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Operetta:

The detailed study and preparation of an operetta for public performance.

Music Appreciation:

Teaching of the topics prescribed for Grade XIII; advanced form, music biography and history, the analysis of selected compositions with special attention to the prescribed works for Grade XIII; use of miniature scores; supplemental reading; evaluation of recordings for school use; use of radio in music appreciation.

Methods:

Modern theories of music education; musical talent and its measurement; the specially gifted pupil; the relation of Secondary School music to music in the Elementary School and to the work of the private teacher; administration; music festivals and adjudication; practice in individual tutorial work; the piano accompaniment of school singing; analysis of the prescribed course for Grade XIII.

SEMINAR IN INSTRUMENTAL MUSIC

For High School Assistants', Type A Candidates

59. *Sight Singing and Ear Training:*

Sight reading of songs based on the theory prescribed for Grade XIII; extraneous modulation; singing of major scales from any note in the scale to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords for harmony; detection of errors in the performance of more advanced part songs.

The Orchestra and Band:

Orchestral playing, organization and conducting; selection of music for Grades IX to XIII class study, for orchestras and bands of Secondary School calibre, and for public performance and festivals.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Arranging:

Transcription and arranging of selections from piano score for full orchestra or band; transposition for all instruments.

Methods:

Advanced study of topics listed in the Elementary Type A course.

Class instruction of instrumental classes, beginners and advanced classes, with all types of instruments.

60. COURSE FOR THE ELEMENTARY COMMERCIAL CERTIFICATE

(1) Shorthand Theory:

The principles of the Isaac Pitman system; writing continuous matter in approved shorthand forms; transcribing sight passages in continuous shorthand.

(2) Shorthand Practice and Transcription:

Writing from dictation for ten minutes, in approved Pitman Shorthand, easy material at the rate of sixty words per minute; transcribing of these notes on a typewriter with blanked keyboard; ten minutes to be allowed for revision of notes, and forty minutes for transcription.

(3) Typewriting:

(*a*) Typing for ten minutes on a typewriter with blanked keyboard at a net rate of thirty words per minute with 1% error or less. (The basis for estimating the number of words shall be five strokes per word.)

(*b*) Application of typewriting to simple problems in setting up business letters, headings, programmes, invitations, announcements, display work, tabular work.

(4) Bookkeeping:

The study of the various aspects of the fundamental equation, including journalizing, posting and the setting up of the financial statements in trading and non-trading organizations.

(5) Penmanship:

Posture, penholding, position of the paper, movement, development of speed, classification of small and capital letters according to similarity of basic principles. Graceful, legible business writing; ledger headings; figures; accounts; marking alphabet; writing on the blackboard.

(6) Methods—Minor:

(*a*) Methods of teaching Business Practice and Bookkeeping: instructional material; testing programme; presenting special topics; text-books; outlining courses; grading papers.

(*b*) Methods of teaching junior Shorthand and Typewriting.

(i) First year in Shorthand: organization of classes and materials; content of course; analysis of text-book; division of time for various sections of the work; various methods of approach; shorthand penmanship; reading of shorthand; how and when to test; the place of theory in junior classes; how and when to introduce transcription.

(ii) First two years in Typewriting: typing room, equipment and supplies; class organization; teacher's preparation; application of general principles to the teaching of typing technique; analysis and prevention of errors; speed development; tests and how to mark them; the second year course; written reports on actual lessons.

61. COURSE FOR THE ELEMENTARY INDUSTRIAL ARTS CERTIFICATE, TYPE A

This course may not be completed in the regular College session but requires a subsequent Summer session before the candidates will be recommended for the certificate.

Draughting: Orthographic projection problems; isometric drawing of rectangular, circular and cylindrical figures; sketching oblique views, geometric drawing; tracing and blue printing.

Woodworking: Nature, structure and characteristics of common woods; the selection and suitability of woods for various purposes; seasoning, defects and grading lumber; cutting out operations, planing, squaring, chiselling and paring; uses of various fastening materials; construction of common joints; various methods of wood finishing and care of brushes; use and care of band saw, variety saw, jig saw and jointer; the wood turning lathe, with elementary turning of single spindle and face plate work; sharpening and care of woodworking tools.

Sheet Metal Work: Laying out patterns, cutting, bending, soldering and rivetting of tin plate and galvanized iron; etching, hammering, planishing and polishing of brass and copper.

Machine Shop Practice: Hand tools and bench work; layout work and elementary machine operations.

Methods of instruction and class organization of the General Shop.

62. COURSE FOR THE ELEMENTARY CERTIFICATE IN HOME ECONOMICS

Principles underlying topics suggested for Grades IX and X, INTERMEDIATE DIVISION. Outline of Course for Experimental Use, 1951, Ontario Department of Education.

Typical classroom procedures.

Acquaintance with suitable source materials.

Contribution of home economics to the school, home, and community.

63. COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

The home economics curriculum: materials, procedures, content.

Fundamental principles, practices, and standards in home and family living.

Problems of organization; methods of teaching; aids to learning; home and classroom equipment. Departmental regulations. Guidance in classroom teaching.

64. ONE-YEAR COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

This course will not be offered at the College during the session 1957–58. Teachers may qualify for the Intermediate Certificate in Home Economics through Summer courses offered by the Ontario Department of Education. For details direct inquiries to the Deputy Minister, Department of Education, Parliament Buildings, Toronto.

65. DICTION AND VOICE PRODUCTION

General lectures on diction and voice production.

Corrective work and exercises.

66. COURSES FOR CERTIFICATES IN VOCATIONAL EDUCATION AND INDUSTRIAL ARTS

The Ontario Training College for Technical Teachers, which was established in Hamilton in 1925, has been re-organized as a department of the Ontario College of Education, Toronto, as of September 1, 1946.

I. Courses for the Interim Vocational certificates, Type B and Type A.

II. Courses for Industrial Arts certificates:

1. The Intermediate certificate.
2. The Specialist certificate.

67. GENERAL CONDITIONS OF ADMISSION

(1) An applicant for admission to the courses referred to above shall make application, not later than August 31st, to the Director of Vocational Training, 371 Bloor Street West, Toronto 5, on a form to be obtained from him, and shall submit with this application, on forms also to be supplied by the Director:

(a) A certificate from the Deputy Registrar-General of Births, Parliament Buildings, Toronto, or an affidavit by one of the parents or other relative, or other person cognizant of the applicant's date of birth.

Age limits:

For the Interim Vocational course, male applicants shall be not less than twenty-three and not more than thirty-five years of age; female applicants shall be not less than twenty-one and not more than thirty-two years of age.

For the Intermediate Industrial Arts course, applicants shall be at least twenty years of age.

For the Specialist Industrial Arts course, applicants shall be not less than twenty-three and not more than thirty-five years of age.

(b) A certificate from a competent authority that he is a British subject.

(c) A certificate from a clergyman or other competent authority that he is of good moral character.

(d) A certificate of successful vaccination.

(2) Before the final admission, and provided that the applicant is not already the holder of a Teacher's certificate, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 24th, and shall hold themselves in readiness to appear for subsequent further examination as required. Students are required to be in continuous attendance at the College during the period of the medical examination, September 24th to 28th.

(3) In the event of rejection of an applicant in consequence of the medical examination and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

68. COURSE FOR INTERIM VOCATIONAL CERTIFICATE, TYPE B

REQUIREMENTS FOR ADMISSION

To this course may be admitted Applied Science graduates (engineers) and skilled tradesmen.

(1) Engineers. A candidate shall be the holder of a degree from the faculty of Applied Science of a recognized university, and shall submit statements to prove not less than two years' subsequent experience in the field of his major subject.

(2) Skilled Tradesmen, who are not engineering graduates.

(*a*) Education.

Applicants are required to give evidence of secondary school graduation or the equivalent. Otherwise, candidates may be required to write examinations in English, Mathematics and Science, these examinations to be held at the College on the first day of the session.

(*b*) Trade Training and Experience.

(i) The training or apprenticeship required shall be that usually demanded for journeyman's qualifications in the trade concerned. Special training obtained in an approved day vocational school will be taken into account in considering the period of training. Applicants should submit statements from the persons or firms under whom they were trained, showing the length of the training period and the nature of the work.

(ii) The experience required shall be several years of wage-earning journeyman trade experience with approved high-grade firms, and shall be such as to show that the applicant is a skilled craftsman, competent in the main branches of the trade, and familiar with its recent developments. The length of the journeyman experience depends upon the nature of the trade. Documentary evidence of experience in the trade in approved shops shall be furnished by the applicant.

69. COURSE FOR INTERIM VOCATIONAL CERTIFICATE, TYPE A

REQUIREMENTS FOR ADMISSION

(1) This course is offered to Applied Science graduates (engineers) who have been graded 66% or higher in their final year and one other year at the university.

(2) Each candidate shall

(*a*) submit evidence of not less than two years of approved wage-earning experience in the field of his major subject,

(*b*) be required to take all the subjects of the course for Type B certificate, and to obtain grading of 66% or more in them,

(*c*) take additional courses in the organization, administration, and supervision of vocational schools, with special reference to the duties and responsibilities of the shop, technical or industrial directors, assistant principals and principals.

If his grading in the Type B course (see (2) (*b*)) is not a failure but is less than 66%, he will be recommended for a Type B certificate only.

70. PROGRAMME OF STUDIES

The course of training for the Interim Vocational certificate, Type B, consists of two parts:

Part I: Educational Psychology
School Law and Regulations
English
History of Vocational Education
Principles of Teaching and Classroom Management
Technical Subjects: 1. trade analysis,
2. shop plan,
3. equipment list,
4. yearly budget,
5. course of study.

Part II: Observation and Practice-teaching.

71. ORGANIZATION OF COURSE

(1) Every applicant shall be required to pass an examination designed to test his attainments as a skilled worker in the trade concerned. The examination shall be on the fundamental principles, operations, processes and skills of the trade, and shall be in two parts (1) written, (2) practical. In the practical examination he shall be required to show his skill in a performance test.

(2) In general, the course is built upon the experiences of the student-teachers in the practice schools. Observation is stressed during the early part of the session. Individual and group instruction will be increased until, in the final two weeks, the student-teacher will take charge of the class with no assistance from the teacher.

(3) During alternate weeks in the College, in addition to the programme of studies, the student-teacher is given an assignment to cover his duties in the practice school for the following week. A corresponding bulletin is mailed to the teacher, who reports on the progress of the student at the completion of each week of Practice-teaching.

(4) Where possible, student-teachers are sent at first to vocational departments in the smaller composite schools and later to technical schools in the larger centres. The Director and his staff visit the practice schools from time to time to assist in evaluating the students' work.

72. DETAILS OF SUBJECTS

The details of the subjects of the course for the Interim Vocational certificate, Type B, are set out below.

EDUCATIONAL PSYCHOLOGY

(a) Psychology
  (i) intelligence, tests and measurements;
  (ii) learning, nature and laws; memory, fatigue, transfer, etc.
  (iii) mental hygiene of the pupil and the teacher,
  (iv) psychology of adolescence; school discipline.
(b) Guidance: basic principles and current practices in guidance.

SCHOOL LAW AND REGULATIONS

The Vocational Education Act, Regulations for Vocational Schools, the Apprenticeship Act, the Trade Schools Regulation Act; other legislation and regulations of direct concern to vocational schools.

ENGLISH

English—both oral and written—a brief review of the main essentials of grammar and composition to enable the shop teacher to avoid the more common errors in the use of words.

HISTORY OF VOCATIONAL EDUCATION

Brief historical sketch to show vocational aspects of educational developments; contributions of the educational reformers, Comenius, Locke, Rousseau, Pestalozzi, Fellenberg, Herbart, Froebel, Spencer; relation of industrial developments to the need for industrial education; development of secondary education, of vocational education; the manual training movement, the mechanics' institute, the farm and trade school, industrial and technical schools, trade schools; part-time, co-operative and apprenticeship classes; the Ontario educational system.

PRINCIPLES OF TEACHING AND CLASSROOM MANAGEMENT

Learning process as applied to practical subjects; formal lesson types; individual differences; individual and group instruction; lesson planning; instruction aid material—sheets, pictures, charts, films, models; organization of instruction material; tests and examinations; records; special shop problems.

TECHNICAL SUBJECTS

(a) Trade Analysis and Course of Study:

Study of the work of the skilled craftsman to determine the teachable content of each trade or calling. Analysis of the trade to determine the skill, and the trade, technical and concomitant knowledges of the skilled

worker; selection of instructional materials and arrangement into groups according to learning difficulties; selection of projects to be used to fit the order of the course of study; determination of related mathematics, science, drawing and auxiliary information needed in each project, preparation of course of study; unit courses.

(*b*) Shops Plan, Equipment List, and Annual Budget:

Study of desirable features of shops and classrooms, size, shape, lighting, lay-out; preparation of minimum, and desirable, lists of equipment for the type of shop in which the teacher-in-training will work; design of benches, tables, furniture, selection of tools and machines; approximate prices; preparation of annual budget.

73. COURSES FOR INDUSTRIAL ARTS CERTIFICATES[1]

COURSE FOR THE INTERMEDIATE CERTIFICATE

This is a two-year course to provide training for those who contemplate the teaching of Industrial Arts in Public, Separate, Continuation and High Schools. Applicants admitted under condition B below shall be exempted from attendance during one year of the course.[2]

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit:

A. Evidence of graduation from an approved regular four-year industrial course in a vocational school, which includes machine shop practice, woodworking, drafting, electricity, and auto mechanics; and evidence of at least one year of approved industrial wage-earning experience;

OR

B. Evidence of a Second Class of more advanced Ontario teaching certificate, and *either* an Elementary Manual Training certificate *or* a statement indicating successful completion of the work of Part I of the Elementary Industrial Arts course. Applicants who hold the Elementary Industrial Arts certificate, Type A shall be exempted from attendance during the autumn term but shall make application for admission not later than December 1.

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[1]The Dean reserves the right to limit the total enrolment of Intermediate and Specialist candidates to twenty-five.

[2]Candidates who have completed Parts I, II and III of the Elementary Industrial Arts course, and who have been recommended by the Inspector of Industrial Arts, may attend the Intermediate course beginning after the Christmas vacation. This course will not be offered unless there are at least ten applicants.

74. PROGRAMME OF STUDIES

The course of training for the Intermediate certificate in Industrial Arts consists of two parts as follows:

Part I: Activity Analysis and Course of Study
Shop Work
History of Industrial Arts Education
Guidance

Part II: Observation and Practice-teaching.

Each student is given at least three weeks in a practice school. His teaching progresses from individual and group instruction to complete charge of routine duties and class instruction. If possible, he is sent to the general shop in (a) a public school, (b) a continuation or high school, and (c) a collegiate institute.

Note: For the Programme of Studies for those who must attend two years, see the Programme of Studies of the course for the Interim Vocational Certificate in Section **70.**

75. DETAILS OF SUBJECTS

ACTIVITY ANALYSIS AND COURSE OF STUDY

See Technical Subjects in Section **70.**

SHOP WORK

The present set-up consists of (a) Metal work, (b) Woodwork and Crafts. Each shop is organized on the general shop plan. At least four activities are being conducted in each shop. Metal work includes such activities as forge and vise work, sheet metal, welding, machine shop, and machinery principles. Woodwork and Crafts include drafting, woodwork (both hand and machine processes), building construction, practical electricity, furniture finishing, leather work, art metal work, and plastics.

HISTORY OF INDUSTRIAL ARTS

See History of Vocational Education in Section **70.**

GUIDANCE

Basic principles and current practices in guidance.

76. COURSE FOR THE SPECIALIST CERTIFICATE[1]

This course is to provide training for those who contemplate teaching Industrial Arts in collegiate institutes.

[1]This certificate may be obtained also in summer courses conducted by the Department of Education.

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit a Permanent[1] Intermediate Industrial Arts certificate.

77. PROGRAMME OF STUDIES

The course of training for the Specialist certificate in Industrial Arts consists of two parts as follows:

Part I. Activity Analysis, Course of Study and Shop Management
Advanced Shop Work

Part II. Observation and Practice-teaching.

78. EXAMINATIONS AND CERTIFICATES

(1) The final standing of students in attendance in the course for the Interim Vocational Certificate or the courses for the Intermediate and Specialist Certificates in Industrial Arts shall be determined by the combined results of the sessional records and the records of the final examinations of Part I and by the results of the records of the Observation and Practice-teaching of Part II, of the course concerned.

(2) The sessional records in each course represent oral and written exercises, practical work, research and frequent tests; and at the close of each term there will be a set of examinations.

(3) A candidate shall pass in each of the subjects listed in the Programme of Studies of the course concerned. The pass standard shall be 50% of the marks assigned to each subject of Part I and 60% of the aggregate of the marks assigned to each of the divisions of Part II. A candidate for the Intermediate Industrial Arts certificate or the Specialist Industrial Arts certificate must pass a performance test before a certificate is issued.[2]

(4) (*a*) A candidate for the Interim Vocational certificate who passes in Part II and fails in not more than two subjects of Part I shall be exempted from further attendance.

(*b*) A candidate for the Intermediate certificate in Industrial Arts who passes in Part II and fails in not more than two sections of Shop Work *or* one other subject of Part I shall be exempted from further attendance.

(*c*) A candidate for the Specialist certificate in Industrial Arts who passes in Part II and fails in not more than two sections of Advanced Shop Work of Part I shall be exempted from further attendance.

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[1]Service personnel may be admitted on an Interim Intermediate Industrial Arts certificate.

[2]A candidate for the Interim Vocational certificate, either Type B or Type A, must obtain a minimum of 50% in the Trade test.

(*d*) All other candidates who fail to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

(*e*) A candidate exempted from attendance, as provided in (*a*), (*b*) or (*c*) above, may complete his standing for a certificate by rewriting at an annual examination the examination in the subject in which he failed. Examinations will be held at the close of the session at such centres and under such conditions as are set out in Section 15 (3) (*b*).

79. GRADES OF CERTIFICATES

(1) An Interim Vocational certificate, Type B, which qualifies the holder to teach a shop subject for two years in a vocational school.

(2) A Permanent Vocational certificate.

(3) An Interim Vocational certificate, Type A, valid for two years.

(4) A Permanent Vocational Specialist certificate.

(5) An Interim Intermediate certificate in Industrial Arts which qualifies the holder to teach shop work for two years in a public, separate, continuation or high school.

(6) A Permanent Intermediate certificate in Industrial Arts.

(7) Under the new Regulations, a Specialist certificate in Industrial Arts in Grades XI and XII of a Secondary School.

(8) A Vocational School Principal's certificate. For the requirements for this certificate, consult the regulations of the Department of Education.

LETTER OF STANDING

80. (1) Candidates who have fulfilled the requirements for admission to the course leading to the Interim Vocational certificate, Type B, and who are exempted by the Minister of Education from attendance at the Ontario College of Education on account of equivalent training in other provinces of Canada or in other countries of the British Commonwealth of Nations, may be granted a *Letter of Standing* by the Minister valid, for not more than one year from the date of issue, in the corresponding trade subject in a secondary school.

(*a*) Before being granted a *Letter of Standing* an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education.

(*b*) Before being granted a *Letter of Standing* an applicant must submit a certificate from a competent authority that he is a British subject.

(2) On the statement of the Principal that the candidate has taught successfully for one year under the authority of a *Letter of Standing*, he may be recommended by the Inspector concerned for the Interim Vocational certificate, Type B.

81. GRADUATE COURSES IN EDUCATION

These courses are designed chiefly for the professional improvement of qualified and experienced teachers. Such applicants for admission may enrol as candidates for degrees in education, as explained below. Alternatively they may enrol simply as graduate students if they do not wish to proceed immediately to a degree, or if they cannot meet all requirements for admission as candidates for a degree.[1] University graduates who are not certified teachers may also enrol as graduate students, although not as candidates for degrees in education.

Graduate courses in education are offered in regular sessions and in summer sessions. The following are the units of instruction:

1. *Our European Heritage*

A review of the educational thought and practice of the educationists of the past considered to be most outstanding and most influential in the history of European education to the present day: including, where appropriate, references to sources which have influenced education in Canada and the United States. A closer study of more recent educational thought in Europe, and the more recent history of educational developments in Britain. Educational provision in Britain in the last two centuries, with particular reference to rapidly changing social conditions, to increasing State intervention, and to the growth, features and problems of the national system of education in England today.

2. *Our North American Background*

A survey of the history of education in Canada, covering: (i) education in different parts of Canada prior to the establishment of school systems under public control; (ii) the growth of public education, the history of provincial systems, and topical study of various aspects of their administration; (iii) the development of educational thought in Canada and topical study of various aspects of curriculum and method. Concomitant references to the development of public education in the United States.

3. *General Educational Psychology*

The physical, motor, emotional, and social development of the child and adolescent. The nature and measurement of intelligence; the uses of intelligence and aptitude tests. The general nature of learning; theories of learning; problem solving; transfer of training; appraising learning. The adjustment process: tension reduction; the school and the mental health of the student.

4. *School Law and Administration of Education in Ontario.*

5. *Supervision*

Principles, problems and procedures of educational supervision, with emphasis on a co-operative approach to the improvement of instruction.

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[1]Those who wish to qualify for Elementary-School Inspectors' certificates must obtain credit in units 3 *or* 12, 4 *or* 6, 5 *or* 9, and one other.

Functions of supervisors at various levels, including those of the school principal.

6a. *Administration of Public Education in Canada*

Principles, problems and procedures of educational administration, including consideration of such topics as the governmental structure of education, centralization and decentralization, internal organization of school systems, personnel and business administration. Comparisons between various provinces will be stressed throughout the course, with reference to patterns in other countries as well.

6b. *Educational Finance*

The financial support of education at the various levels of government. Principles and practices of grant structure and distribution; problems of assessment, tax collection, budgeting; the relationship of the financial support of education to that of other governmental functions. Unit 6a, or the previous Unit 6, or some course in administration deemed equivalent is a prerequisite.

7. *Measurement in Education*

An evaluation of various types of objective and essay-type examinations. The preparation and use of new-type tests. Standardized tests. The measurement of general and specific aptitudes, personality traits, and school achievement. Interpretation of test results.

8. *Educational and Vocational Guidance*

Basic principles and current practices in educational and vocational guidance, with a discussion of diagnosis, counselling, and the place of group work, in a student personnel programme.

9. *Instructional Techniques and Practices*

A consideration of contributions made by leading educators to the historical development of methodology. A study of general methods including: lecture, lesson, project, enterprise, recitation, tutorial, Dalton Laboratory Plan, Winnetka System, Unit Plan, and special methods concerned with specific school subjects.

10. *Educational Statistics and Experimental Methods*

An introductory course in elementary statistics. Design of experiments, including the logic of generalizing from a sample to the population, and methods of planning investigations.

11. *Modern Philosophies of Education*

Traditional and environmental influences on social and educational thought; current philosophies of education; possible explanations of different points of view; ideas of various thinkers on educational issues; Canadian attitudes; constructing a philosophy of education.

12. *Intelligence and its Measurement*

The nature, growth and distribution of intelligence. The preparation, administration and interpretation of group and individual mental tests.

13. *Mental Health and Child Study*

The factors involved in child development (pre-school period, early school years, intermediate years, adolescence) and the difficulties and problems of each period. The preventive and remedial phases of mental health.

14. *Diagnosis and Remedial Instruction*

Study of pupil difficulties and techniques of preventive and remedial teaching, with special emphasis on practices suitable for typical classrooms; use of diagnostic tests, observations and examinations and interpretation of the results.

15. *Adult Education*

History and organization of adult education in Canada; a survey of current philosophies of education in the adult field; psychology of learning for adults; problems of administration and presentation of adult education, and allied topics.

16. *Curriculum Development and Improvement*

Principles, problems, experiments, trends in curriculum development in elementary and secondary schools. Factors involved in leadership in curriculum development and the improvement of instruction. Analysis of curriculum programme in relation to modern concepts of curriculum.

17. *Advanced Statistics and Measurement*

A study of recent developments in statistics and measurement, with emphasis on the mathematical assumptions and derivations underlying the theory; will include multiple regression, analysis of variance and covariance, sampling theory, and applications of statistical methods to the development of measuring instruments.

18. *Research in Education*

Nature of scientific thinking. Finding and defining the research problem. Advantages, disadvantages, limitations and theoretical aspects of various methods of doing research in education. Location, evaluation, analysis and presentation of data. The research report.

NOTES: Units 1, 2, 3, 4, 5, and 18 are offered in every session. Units 6, 7, 8, 9, 10, 15 and 17 will also be offered in the summer session of 1957 and in the regular session 1957–58 if a sufficient number of candidates apply. Units 17 and 18 are open only to advanced students, including candidates for the doctorate. Additional units, offered by special arrangement in the regular session only, are listed in the calendar of the School of Graduate Studies.

82. DEGREE OF BACHELOR OF EDUCATION (B.ED.)

(1) For admission as a candidate for the degree of Bachelor of Education an applicant shall (*a*) hold an approved degree in Arts, Science, Agriculture, Engineering, or Commerce, (*b*) hold a certificate as teacher valid in Ontario issued after an approved course in a recognized training school, or an equiva-

lent certificate valid in another province of Canada, and (*c*) have completed one year's successful teaching experience subsequent to having obtained a teaching certificate.

(2) To complete requirements for the degree the candidate shall be in attendance at the Ontario College of Education during one summer session or one regular session and shall obtain standing on units 1 and 2 of the units of instruction listed in Section 81.

(3) Instructors will assign reading or exercises, or both, to be completed by students between the end of the summer session and the examinations. The examination will cover the substance of the lectures and the prescribed reading and exercises. The examinations, one paper per unit, shall be held in April at the University of Toronto or at other centres in Canada approved by the Senate and under a presiding examiner appointed by the Senate, provided the candidate thereat defray the cost of the local examination. Where ten or more candidates are writing at one centre, the College of Education will defray the cost of the examination. The candidate shall send notice not later than February 1st indicating his intention to write the examinations, the particular units he will write, and the centre in which he wishes to write the examinations. No candidate will be permitted to write the examination on any unit more than twice without reattending classes in that unit.

(4) The standard for a pass shall be 60 per cent. of the marks assigned to each unit. [But see regulations concerning the degree of Master of Education, Section 83, paragraphs (1) and (4).]

(5) Candidates for the degree of Bachelor of Education will be required to attend additional lectures on sources of information about education and on reading educational materials of a technical nature.

(6) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Examination, per unit	4.00
Degree	10.00

The total fee, $98 (or $88 in the case of candidates who do not wish to receive the degree), is payable to the Chief Accountant's office of the University of Toronto when the candidate's application forms have been approved and returned to him for such payment.

83. DEGREE OF MASTER OF EDUCATION (M.ED.)[1]

The degree of Master of Education (M.Ed.) will be awarded by the School of Graduate Studies under the following conditions:

(1) For admission as a candidate for the degree of Master of Education an applicant shall hold the degree of Bachelor of Education from the

[1]See Section 6(4) for information regarding a Fellowship in Education.

University of Toronto with standing of at least 66 per cent. on each of the two required units [see Section 82 (2)]; or the applicant shall have qualifications and standing deemed equivalent by the committee administering education courses.

(2) To complete requirements for the degree the candidate shall be in attendance at the Ontario College of Education for *either* one regular session *or* three summer sessions, and shall obtain standing on any six of the above-listed units of instruction for which he has not already been allowed credit as qualification for admission to the M.Ed. programme. Candidates who obtain 75 per cent. or more on at least two of the first four units elected may apply for permission to substitute a thesis for the last two units of the course.

Permission to substitute a thesis for the last two units of course work should be sought only by candidates who have confidence in their ability to carry out and report on educational research. Candidates who plan to enrol in courses leading to the degree of Doctor of Education are advised to elect the thesis option (see regulations for the degree of Doctor of Education, Section 84).

For two of the six required units the candidates, with the special previous consent of the committee administering education courses, may substitute approved graduate courses in another department of the University.

Candidates who have credit for graduate work in education at other universities beyond requirements for admission to the M.Ed. programme may request that credit be granted on this basis for not more than two of the six required units.

(3) Instructors will assign reading or exercises, or both, to be completed by students between the end of the summer session and the examinations. The examination will cover the substance of the lectures and the prescribed reading and exercises. The examinations, one paper per unit, shall be held in April at the University of Toronto or in other centres in Canada approved by the Senate and under a presiding examiner appointed by the Senate, provided the candidate thereat defray the cost of the local examination. Where ten or more candidates are writing at one centre, the College of Education will defray the cost of the examination. The candidate shall send notice not later than February 1st indicating his intention to write the examination, the particular units he will write, and the centre in which he wishes to write the examinations. No candidate will be permitted to write the examination on any unit more than twice without reattending classes in that unit.

(4) The standard for a pass shall be 66 per cent. of the marks assigned to each unit.

(5) Fees:

Registration..... $ 5.00

Tuition, Summer Session	75.00
Tuition, regular College Session, including examination and library fees	175.00
Examination per unit	4.00
Supervision and examination of thesis	75.00
Degree	10.00

The total of the fees payable by a candidate proceeding to the degree by summer sessions is $88 for the first summer session, $83 for the second, and $93 for the third. These amounts are payable to the Chief Accountant's office of the University of Toronto when the candidate's application forms have been approved and returned to him for such payment.

84. DEGREE OF DOCTOR OF EDUCATION (ED.D.)

The degree of Doctor of Education will be awarded by the School of Graduate Studies under the following conditions:

(1) For enrolment as a graduate student in courses that may be counted for credit towards the doctorate, an applicant shall hold the degree of Master of Education with high standing from the University of Toronto, or its equivalent. Applicants holding the degree of Bachelor of Pedagogy from the University of Toronto will be required to complete two pre-doctoral units, but applicants who were awarded this degree with honours not later than June, 1952, may be excused from this requirement.

(2) While in attendance as a graduate student, an applicant for enrolment as a candidate for the degree of Doctor of Education will be required to pass a Qualifying Examination. He will also be required to carry out a Qualifying Research Project to the satisfaction of the committee administering education courses. After passing these two tests the graduate student will be enrolled as a candidate for the degree of Doctor of Education.

(3) An applicant who completed the requirements for the Master of Education degree at the University of Toronto by thesis may, if the committee judges the thesis to be of sufficiently high quality, be excused from the Qualifying Examination or the Qualifying Research Project, or both, and may be enrolled immediately as a candidate for the degree of Doctor of Education.

(4) One who holds a Master of Education or equivalent degree of another university and who seeks admission to the programme leading to the degree of Doctor of Education must submit for evaluation: (i) transcripts of all his academic work; (ii) proof, if such is not included in the transcripts, of having received professional training as a teacher; (iii) proof of certification as a teacher, including full information about the certificate held; (iv) evidence of at least one year's successful experience as a teacher;

(v) a copy of the master's thesis, if the applicant wrote such a thesis; (vi) the name of the applicant's faculty adviser at the university where the master's degree was obtained.

(5) To complete the course requirements for the degree, the candidate shall be in attendance at the Ontario College of Education during one regular session or two summer sessions. The course shall consist of four of the units of instruction listed above. Unit 18 shall be taken as one of the units in the first session attended except by candidates who have already obtained credit for that unit. The choice of other units is subject to the approval of the committee administering education courses.During each session of attendance candidates for the degree of Doctor of Education, and graduate students who are potential candidates for the degree, are required to take part in the seminar described below.

Seminar in Education

Presentation by candidates for the doctorate of the problems they propose to investigate and defence of procedures they intend to use. Intensive study under the direction of the staff of problems subsidiary to the topic presented. The seminar gives summer school candidates an opportunity to begin their research under close supervision.

(6) Sessional work will be assigned and examinations on the four required units will be conducted in the manner described in paragraphs 3 and 4 of the regulations for the degree of Master of Education (above). The candidate will be required to maintain the high standard of achievement demanded for admission to the programme.

(7) The further and major requirement for the degree is the completion of a doctoral dissertation. During his first session of attendance the candidate is advised to choose a tentative topic and to seek opinions in the seminar and by consultation with the staff regarding its suitability. During the final session of attendance the candidate shall present in the seminar an outline of his proposed research. He must at that time or subsequently obtain formal approval of the outline of his research problem from the committee administering education courses. Under no circumstances will a dissertation be examined for credit unless the topic and the outline have received this initial approval. Candidates should secure a copy of a statement on "Requirements Applicable to Doctoral Dissertations" from the Supervisor of Graduate Students, Ontario College of Education, to whom all general correspondence regarding dissertations may be addressed. After a completed dissertation has been approved by the examiners, the candidate shall furnish the Secretary of the School of Graduate Studies with four bound copies and shall make arrangements to publish the dissertation or an approved abstract thereof. If the candidate publishes only an abstract of his dissertation, he shall furnish the Secretary of the School of Graduate Studies with 25 copies of the abstract.

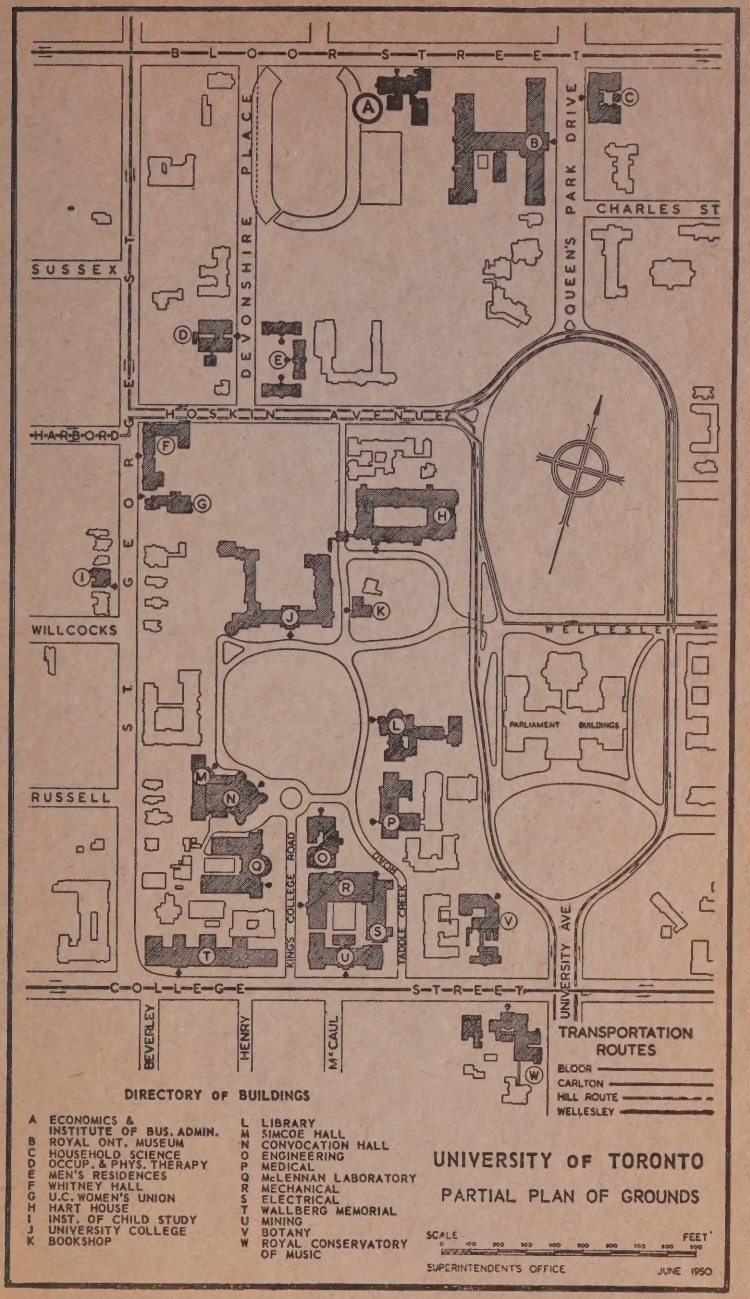
(8) Fees:

Registration	$ 5.00
Tuition, Summer Session	75.00
Tuition, Regular College Session, including examination and library fees	175.00
Examination, per unit	4.00
Supervision and examination of dissertation	75.00
Degree	25.00

The total of the fees payable by a candidate attending summer sessions is $88 for the first summer session and $83 for the second summer session. These amounts are payable to the Chief Accountant's office of the University of Toronto when the candidate's application forms have been approved and returned to him for such payment.

85. DEGREES OF DOCTOR OF PHILOSOPHY (PH.D.) AND MASTER OF ARTS (M.A.)

Courses leading to these degrees are offered in regular sessions only. Information about requirements is given in the calendar of the School of Graduate Studies, University of Toronto.



DIRECTORY OF BUILDINGS

UNIVERSITY OF TORONTO

PARTIAL PLAN OF GROUNDS

SUPERINTENDENT'S OFFICE — JUNE 1950

The University of Toronto issues the following official calendars, any one of which may be had on application to the Registrar of the University or to the Secretary of the Faculty, School or Institute about which information is sought.

CALENDARS

Admission Requirements
Admission Scholarships and Bursaries
Faculty of Arts
Faculty of Medicine
    Physical and Occupational Therapy
Faculty of Law
Faculty of Applied Science and Engineering
Faculty of Household Science
Ontario College of Education
Library School
Faculty of Forestry
Royal Conservatory of Music
    Faculty of Music
    School of Music
School of Graduate Studies
Faculty of Dentistry
    Dental Hygiene and Dental Nursing
Faculty of Pharmacy
School of Architecture
School of Physical and Health Education
School of Social Work
School of Nursing
School of Hygiene
Institute of Child Study
Institute of Business Administration
University Extension—
    General Course for Teachers
    Certificate Course in Business (Evenings)

Enquiries about the following colleges affiliated with the University of Toronto, should be addressed directly to the Registrar of the College concerned:

Ontario Agricultural College, Guelph, Ont.
Ontario Veterinary College, Guelph, Ont.

UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education

1958-1959

In view of increasing costs of supplies and labour, residence dues and other charges set forth in this calendar are subject to change by the Board of Governors.

UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education

1958-1959

UNIVERSITY OF TORONTO PRESS
1958

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CALENDAR, 1958–1959

1958 June 16.....Summer Session (High School Assistants') opens.

July 2.....Summer Session (Education) opens.

July 2.....Second Summer Session (High School Assistants') opens.

Aug. 5.....Second Summer Session (High School Assistants') closes.

Aug. 12.....Summer Session (Education) closes.

Aug. 22.....Summer Session (High School Assistants') closes.

Sept. 23–27.....Medical Examination

Sept. 23.....Academic year begins at 9 a.m.

Sept. 24.....Address by the President to the students of all faculties and schools at 3.45 p.m. in Convocation Hall.

Oct. 13.....Thanksgiving Day.

Nov. 11.....Remembrance Day Service.

Nov. 28.....Autumn Convocation 8.30 p.m.

Dec. 19.....Last day of lectures. Term ends at 5 p.m.

1959 Jan. 5.....Winter Term begins at 9 a.m.

Jan. 20.....Last day for receiving the second instalment of fees.

Mar. 27.....Good Friday.

Apr. 6.....Spring Term begins.

May 1.....Last day of lectures.

May 4–15.....Final Examinations (except for candidates for Intermediate and Specialist Industrial Arts certificates).

May 26 to 29...Final Examinations for candidates for Intermediate and Specialist Industrial Arts certificates.

May 27, 28, 29..University Commencement.

ADMINISTRATIVE OFFICERS

The University

Acting President.....M. St. A. Woodside, M.A.
President Elect.....C. T. Bissell, M.A., Ph.D., F.R.S.C.

Vice-President.....M. G. Ross, M.A., Ed.D.
Registrar.....J. C. Evans, B.A.
Chief Librarian.....R. H. Blackburn, M.A., B.L.S., M.S.
Warden of Hart House.....J. McCulley, M.A.
Director of University Extension.....

Vice-President (Administration).....F. R. Stone, B.Com., C.A.
Comptroller.....G. L. Court, D.F.C., M.Com., C.A.
Assistant Comptroller.....J. F. Brook
Secretary to the Board of Governors.....W. W. Small, B.Com., M.A.
Superintendent of Buildings and Grounds.....F. J. Hastie, B.Sc., P.Eng.
Chief Accountant.....D. J. Reid

Director of University Health Service
G. E. Wodehouse, M.C., M.D., F.R.C.P.
Assistant Director of University Health Service—Women
Miss F. H. Stewart, B.A., M.D.
Director of Athletics and Physical Education—Men..W. A. Stevens, B.S.
Director of Athletics and Physical Education—Women..Miss Z. Slack, B.A.
Director of the University of Toronto Press.....M. Jeanneret, B.A.
General Secretary-Treasurer of the Students' Administrative Council
E. A. Macdonald, B.A.
Associate Secretary of the Students' Administrative Council
Miss A. E. M. Parkes, B.A.
Director of Hart House Theatre.....R. S. Gill, M.A.
Director of the Placement Service.....J. K. Bradford, O.B.E., M.A.Sc.

Ontario College of Education

Dean.....A. C. Lewis, M.A., D.Paed.
Director of the Department of Educational Research
R. W. B. Jackson, B.A., Ph.D.
Supervisor of Graduate Students.....C. E. Phillips, M.A., D.Paed.
Director of the Guidance Centre.....M. D. Parmenter, M.A.
Director of the Department of Vocational Training and Industrial Arts
R. D. Phillips, B.Sc., M.Ed., P.Eng.
Supervisor of Practice Teaching.....D. F. Dadson, B.A., B.Ed.
Supervisor of Women Students.....Miss Helen B. St. John, M.A.
Secretary.....Miss A. A. L. Elliott, B.A.

Note.—Communications to the Ontario College of Education should be addressed to the Secretary, Ontario College of Education, 371 Bloor Street W., Toronto 5.

CALENDAR 1958

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Courses in Education

GENERAL INFORMATION

In its courses in education the Ontario College of Education trains candidates for certificates as teachers and in particular for Provincial certificates as teachers of Art, Home Economics, Physical Education, Vocal Music, Instrumental Music, Commercial Subjects, Vocational Education, Industrial Arts, as High School Assistants and as teachers of public and separate schools. It also offers courses leading to the B.Ed., M.Ed., Ed.D., M.A., and Ph.D. degrees.

The buildings of the Ontario College of Education on Bloor Street contain lecture-rooms, laboratories, and reading-rooms for the accommodation of the students, and model class-rooms for observation and practice-teaching. So far as necessary the observation and practice-teaching are supplemented by observation and practice-teaching in schools in and near the City of Toronto.

While the chief exercises of the Ontario College of Education will be conducted in the buildings on Bloor Street, the students in Education may use the University's library, gymnasium, and athletic fields, and Hart House, under such conditions as obtain with other students. They will also be admitted free to the Royal Ontario Museum, Bloor Street, and to the Toronto Art Gallery, Dundas St., from 9 a.m. to 5 p.m., on presentation of their registration cards.

BOARD AND LODGING

The Secretary of the Ontario College of Education will forward lists of boarding-houses on request.

COURSES AND CERTIFICATES

1. (1) The following courses are offered:

(*a*) Courses for Interim High School Assistants' certificates, Type B; Interim High School Assistants' certificates, Type A,[1] including Physical Education, Art, Instrumental Music, and Vocal Music;[2] Interim Elementary-School Teachers' certificates;[3] Interim Elementary certificates in Art; Interim Elementary Type A certificates in Physical Education, Industrial Arts,[3] Instrumental Music, and Vocal Music; Interim Ele-

[1]See Section 18 (1).

[2]The courses leading to High School Assistants' certificates, Type A, in Physical Education, Art, Instrumental Music and Vocal Music are open only to those who qualify under Section 26.

[3]This course may not be completed in the regular College session but requires a subsequent summer session before the candidate will be recommended for the certificate.

mentary Certificate in Home Economics; Interim Intermediate certificates in Home Economics; Interim Elementary Commercial certificates; Interim Vocational certificates; and for Intermediate and Specialist certificates in Industrial Arts.

(*b*) Course for the degree of B. Ed.

(*c*) Courses under the School of Graduate Studies for the degrees of M.A., M.Ed., Ed.D. and Ph.D.

(2) High School Teachers' Certificates.[1]

(*a*) Grades of Certificates:

The following grades of certificates qualify the holders for teaching in High Schools and Collegiate Institutes:

(i) An Interim High School Assistant's certificate, Type B, which qualifies the holder for two years as an Assistant.

(ii) A Permanent High School Assistant's Certificate.

(iii) An Interim High School Assistant's Certificate, Type A, which qualifies the holder for two years as an Assistant.

(iv) A High School Specialist's Certificate which qualifies the holder to be head of a Department.

(v) A High School Principal's Certificate.

(*b*) Requirements for the above Certificates:

(i) For an Interim High School Assistant's Certificate, Type B: The completion of the professional course of training for this certificate at the Ontario College of Education.

(ii) For a Permanent High School Assistant's Certificate: The Interim High School Assistant's Certificate, Type B, and two years, successful teaching experience in Ontario in a secondary school or in Grades IX or X of a Public or Separate School.

(iii) For an Interim High School Assistant's Certificate, Type A: The completion of the professional course of training for this certificate at the Ontario College of Education.

(iv) For a High School Specialist's Certificate: An Interim High School Assistant's Certificate, Type A, and two years' successful teaching experience in Ontario in the subject or subjects covered by the Interim High School Assistant's Certificate, Type A.

(v) For a High School Principal's Certificate: For this information consult the regulations of the Department of Education.

(*c*) The holders of Interim High School Assistants' Certificates, Type B, or Permanent High School Assistants' Certificates may secure Interim High School Assistants' Certificates, Type A, under the conditions outlined in Section 17 of this calendar.

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[1]For certificates in Vocational Training and in Industrial Arts, see Section 79.

SESSION

2. (1) Enrolment will take place and the medical examination will begin at 9 a.m., Tuesday, September 23rd. The Autumn Term will end December 19th, at 5 p.m., and the Winter Term will begin January 5th at 9 a.m. The Spring Term will begin April 6th and end May 29th.

HIGH SCHOOL ASSISTANTS' SUMMER COURSES 1958 and 1959

(2) A summer course for the High School Assistant's certificate, Type B, will be held from July 2, 1958, to August 5, 1958, for candidates who qualified for Temporary Secondary-school Teacher's certificates on completion of the ten-weeks summer course in 1957, and who are recommended for admission by the Principal and High School Inspector concerned. The tuition fee for this course is $25, to be paid to the Chief Accountant of the University, before the opening day of the course.

(3) (a) From June 16, 1958, to August 22, 1958, a summer course will be held, leading to a Temporary Secondary-School Certificate. The Certificate shall be valid for the school year 1958–59. The holder of such Certificate may secure an Interim High School Assistant's Certificate, Type B, by attending, on the recommendation of the Principal and High School Inspector concerned, a second summer course from July 6, 1959, to August 7, 1959, and by passing the examinations of that course.

(*b*) A candidate for admission to the course leading to a Temporary Secondary-School Certificate must fulfil all the conditions of admission to the course for the Interim High School Assistant's certificate, Type B (Section 9), and also must submit evidence that he has accepted a contract offered by an Ontario Secondary School Board for the ensuing school year for a position which has been advertised after April 1 and for which no fully qualified applicant is available. Applications should be made to the Secretary, Ontario College of Education, Toronto 5, as soon as the candidate is under contract to teach.

(*c*) Medical examinations will begin at 9 a.m. on June 16th.

(*d*) Tuition fee for the summer session 1958, to be paid to the Chief Accountant of the University before the opening day of the session, $180; tuition fee for the second summer course 1958, to be paid to the Chief Accountant of the University, $25. These fees include medical and examination fees. None of the incidental fees required of students in the regular session shall be required of students in these summer sessions.

(*e*) No supplementary courses (Section 22) or Type A courses (Section 17) shall be offered in these summer sessions 1958 and 1959, but instruction in teaching the subjects of Grade XIII shall be provided for those deemed by the Dean and Council of the College to be capable of profiting by such instruction.

(4) Courses similar to those described in (3) above will be offered

in subsequent summers if the enrolment is sufficient to warrant their establishment.

DUTIES OF STUDENTS

3. (1) Regular attendance on the part of candidates for Provincial certificates is indispensable, except for such as are exempt from attendance under the regulations of the Department of Education, and for such as are permitted by the Dean to act, after Christmas, for not more than a total of one fortnight, as substitute teachers in the schools of Ontario.

(2) Students whose class-work shows them to be unduly deficient in scholarship, or whose attendance or progress is unsatisfactory, may be dismissed from attendance by the Council of the College at any time during the session.

(3) On the Dean's report to the Minister of Education as to the physical unfitness of a student for training for a Provincial certificate as a teacher, the Minister may require a special medical examination of such student, and, as a result thereof, may direct that his registration for such training be cancelled.

(4) Various religious, athletic, literary and dramatic associations are formed each session. For professional improvement all students shall share in the activities of the literary and dramatic associations.

FEES

4. (*a*) For Intramural Students:

High School Assistants' Course, Type B, and Vocational Training and Industrial Arts courses.

*Academic Fee	†Incidental Fees	Total Fee (if paid in one instalment)	First Term Instalment due Sept. 24	Second Term Instalment due Jan. 20
		Men		
$180	$40[1]	$220	$140	$80
		Women		
$180	$25[1]	$205	$125	$80

Notes: 1. The Academic Fee (which includes the examination and University Library fees) and the Incidental Fees are to be paid to the UNIVERSITY OF TORONTO. After January 20th, an additional deferred payment fee of $3 per month shall be imposed until the whole amount is paid.

2. There is no additional fee for a High School Assistants' course, Type A, or for a Supplementary course when taken concurrently with the High School Assistants' course, Type B.

(*b*) For Extramural Students:

Fee for the final examinations of the High School Assistants' course, Type B, which includes the fee for the final examinations of the High School Assistants' course, Type A, if taken concurrently..... $20.00

*The fee is the same for the regular College Session as for the Session after Christmas.

†These Incidental Fees include the following fees:—

For men—Hart House; Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

For women—Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

[1]A student who holds an Ontario teaching certificate will pay $37 or $22, as the case may be, because he or she will not be required to take a medical examination.

Fee for the final examinations of the High School Assistants' course, Type A, if taken in a different Session from the final examinations of the High School Assistants' course, Type B..... 8.00

Fee for examination in one subject of any course when repeated in a subsequent Session..... 4.00

5. (1) FINAL EXAMINATIONS

No candidate will be permitted to take more than twice any final examination, or part thereof, for any certificate listed in this calendar.

(2) APPEALS

The answer papers of the final examinations of all unsuccessful candidates for Provincial certificates are re-read by the examiners, and the results of the first reading reconsidered before a decision to reject is reached. Despite this fact any unsuccessful candidate may have his case considered a third time if within two weeks after the announcement of the results he lodges with the Minister of Education his appeal, with a statement of the grounds on which it is based, and with a fee of $2.00. The fee will be refunded if the appeal is sustained.

6. SCHOLARSHIPS AND PRIZES

NOTE

On account of the continued tendency towards lower rates of interest, it is possible that the value of certain endowed scholarships and prizes at the time of payment may prove to be less than the amount stated in the calendar.

In those cases where the amount of the award is not payable from income earned on an endowed fund, payment will be dependent on the receipt of the amount of the annual award from the donor.

THE HUGH W. BRYAN MEMORIAL SCHOLARSHIP OF THE ONTARIO SECONDARY SCHOOL TEACHERS' FEDERATION[1]

(1) The Ontario Secondary School Teachers' Federation has founded an annual scholarship of the value of the interest on $2,000 in memory of a former President of the Federation, Dr. Hugh W. Bryan. This scholarship will be awarded by the Bryan Memorial Scholarship Committee of the Federation, at the close of each session and after the receipt of a report from the Council of the College of Education, to the student in regular attendance throughout the session in the High School Assistants' Course who has shown "the most outstanding qualities of scholarship, teaching ability, and character."

THE LAURA L. OCKLEY SCHOLARSHIP IN HOME ECONOMICS[1]

(2) Former students of Miss Laura L. Ockley, who was in charge of the training of Home Economics teachers in the University of Toronto from 1912 to 1943, have founded in her honour an annual scholarship of the value of $100. This scholarship will be awarded at the close of the session to a student in regular attendance in the High School Assistants' course, Type A, in Home Economics, or in the Intermediate Home Economics course, who has shown the most outstanding qualities of "scholarship and teaching ability in Home Economics and leadership in human relations." Awards over a period of years will be made to students of the High School Assistants' course, Type A, in Home Economics, and of the Intermediate Home Economics course in proportion to the registration in these courses during that period.

THE PAKENHAM MEMORIAL PRIZE[1]

(3) As a memorial to Dr. William Pakenham, Dean of the Ontario College of Education from 1907 to 1934, the teachers of Ontario have founded an annual Memorial Prize of the value of the interest on $1,000. The Prize will be in the form of books stamped with the Coat of Arms of

[1]Only one of these scholarships or prizes shall be awarded to anyone student.

the University of Toronto, and will be awarded to the student who obtains the highest standing, as reported in the annual returns of the College, in the subjects of Part I of the High School Assistants' course, Type B, and in Practice Teaching.

THE WILLIAM PAKENHAM FELLOWSHIP IN EDUCATION

(4) The late William Pakenham bequeathed to the University of Toronto the residue of his estate to be used as the governing body of the University may direct in behalf of the activities of the Ontario College of Education.

Accordingly a Fellowship in Education has been established for advanced work either in the University of Toronto or in some other university approved by the Senate. The Fellowship shall be awarded at such intervals and have such value (not to exceed $3,000) as the Senate, on the recommendation of the Council of the Ontario College of Education, may from time to time determine. Applicants must be residents of Ontario, holding a Bachelor's degree, a teacher's certificate valid in a Canadian province, and must submit a record of professional experience and evidence of ability to make a contribution to education in Canada as a result of further work.

Applications shall be made on or before March 1st to the Secretary, Ontario College of Education.

THE JOHN THOMAS CRAWFORD MEMORIAL SCHOLARSHIP

(5) Mrs. J. T. Crawford has established an annual scholarship of $150.00 in the University of Toronto in memory of her husband, the late Professor John Thomas Crawford.

The scholarship, known as the John Thomas Crawford Memorial Scholarship, will be awarded to the candidate in the honour course in Mathematics and Physics in the University of Toronto who stands highest in the final examinations of the fourth year among those who proceed to the Ontario College of Education. The Scholarship will be paid on the successful completion of the fall term of the College of Education.

If no graduate of the Mathematics and Physics course attends the College the highest qualified candidate from the Physics and Chemistry course or from the Engineering Physics course, taken in that order, will be awarded the scholarship when other conditions are satisfied.

7. DOMINION-PROVINCIAL STUDENT-AID BURSARIES

Bursaries may be awarded to students in financial need who are resident in Ontario and who are in attendance at the University of Toronto. Further information may be obtained from the Secretary of the Faculty.

8. (1) HART HOUSE

All men students are required to become members of Hart House. The purpose and the conditions of this membership are defined in a bulletin to be distributed at the time of registration.

8. (2) UNIVERSITY HEALTH SERVICE

Information about this service may be obtained at registration.

COURSE FOR THE INTERIM HIGH SCHOOL ASSISTANT'S CERTIFICATE, TYPE B

CONDITIONS OF ADMISSION

9. (1) Except as provided in (2) and (3) below, an applicant for admission to the course for an Interim High School Assistant's certificate, Type B, shall make application not later than August 31st, to the Secretary of the Ontario College of Education on an official form to be obtained from the Secretary, and should submit with this application, also on official forms which will be supplied by the Secretary:

(*a*) A certificate of birth. An applicant must be at least 20 years of age before October 1st of the year in which he applies for admission.

(*b*) A certificate from a clergyman or other competent authority that he is of good moral character.

(*c*) A certificate of successful vaccination.

(*d*) A certificate from a competent authority that he is a British subject.

(*e*) His certificate of graduation as Bachelor or Master of Arts, Bachelor or Master of Science, Bachelor of Commerce, Bachelor of Science in Agriculture, Bachelor of Applied Science, Bachelor of Household Science, Bachelor of Music[1] or Bachelor of Physical and Health Education, from a British university, after a regular university course approved by the Minister of Education as to admission requirements and as to content of the undergraduate courses.

(2) Before the final admission, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 23rd, and shall hold themselves in readiness to appear for subsequent further examination as required. *Students are required to be in continuous attendance at the College during the period of the medical examination, September 23rd to 27th.*

(3) No candidate will be admitted whose teaching certificate has been cancelled or suspended.

(4) Before the final admission, an applicant must also be approved by a Selection Committee consisting of at least three members of the College Staff and a member of the Ontario Secondary School Teachers' Federation, all of whom shall be appointed by the Dean.

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[1]This refers to the degree in the course in Music Education of the University of Toronto introduced in 1946.

(5) In the event of the rejection of an applicant in consequence of the medical examination or by the Selection Committee, and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

(6) An applicant for admission to this course who is not a candidate for the certificate of the Ontario Department of Education must comply with such conditions of admission as the Council of the Ontario College of Education may determine.

10. TEXT-BOOKS

The text-books for the academic work are those prescribed for the High Schools of Ontario in each subject of the student's course.

For Observation and Practice-teaching students should supply themselves with copies of all necessary school text-books.

11. PROGRAMME OF STUDIES

(1) The course of training for the Interim High School Assistant's certificate, Type B, consists of two parts as follows:

Part I: (*a*) General professional courses, including an Introduction to Education, Educational Psychology, and School Management and Law.

(*b*) Courses in methods of teaching any *two* [1, 2] of the following:

English
Geography and History
Mathematics
Science
Latin
French
German
Greek
Spanish
Italian

Part II: Observation and Practice Teaching.

(2) Students in attendance in the High School Assistants' course, Type B, may take also, if they possess the required qualifications, a High School Assistant's course, Type A, and a Supplementary course.

[1]Candidates for High School Assistants' certificates, Type A, as defined in section 18 (1), in selecting their subjects from (*b*) above, must include the corresponding subject or subjects of the High School Assistants' course Type A.

[2]German, Spanish, Greek and Italian may be chosen only by candidates for the High School Assistants' certificates, Type A, except by permission of the Dean.

(3) Diction and Voice Production.

At the beginning of the session the short course of lectures on Diction and Voice Production mentioned in Section 65 will be given. These lectures will be supplemented by corrective work with students whose need in this respect is revealed in their practice-teaching. Students requiring speech correction may be withdrawn by the Dean from their supplementary courses for this remedial work.

ORGANIZATION OF COURSE

12. (1) The instruction in the special methodology of the subjects of the High School courses shall be accompanied by a review from the academic standpoint of such portions of each subject as may be necessary to determine the scholarship of the students and to illustrate the methods of instruction in that subject, dealing in particular with those parts of the course that are difficult of presentation.

(2) The following introductory work shall be taken up at the beginning of the session:

(*a*) A brief course in the General Method of the Recitation as a preliminary to Observation and Practice-teaching.

(*b*) Supervised Observation and Practice lessons in Secondary School grades. Students shall be notified of the subject and scope of each Observation lesson, and should prepare the lesson beforehand. After observing the lesson they shall discuss it with the teacher or lecturer concerned.

(3) The introductory course defined in (2) above shall be followed by systematic Observation and Practice-teaching, under the general supervision of the lecturers in the Ontario College of Education.

The Observation work shall begin in the third week of the session, and the Practice-teaching in the fifth week. Exclusive of the introductory work, the programme of instruction shall include for each student at least 25 full days of Observation and Practice-teaching. This number may be increased to meet the needs of individual students.

(4) (*a*) The Observation and Practice-teaching for each student shall be arranged to represent as far as practicable the work in all grades of the Secondary Schools.

(*b*) From time to time, throughout the College session, students shall be excused from the regular College exercises, and shall be assigned to approved practice-schools for continuous periods of Observation and Practice-teaching. For part of each of these periods of continuous practical work the student shall be wholly responsible for the management of his class.

(5) Students shall be notified of the subject and the scope of each Practice-teaching lesson required and shall prepare a plan of each Practice-teaching lesson for submission to the teacher.

(6) (*a*) The lecturers of the Ontario College of Education shall develop the details of their subjects in the teaching order, and, after each suitable step, model lessons will be taught in special classes and in the practice schools.

(*b*) From time to time, the lecturers of the Ontario College of Education shall be present at the Observation lessons and Practice-teaching of the students and shall join in the criticism and valuation of their work.

EXAMINATIONS

13. (1) The final standing of students in attendance shall be determined by the combined results of the sessional records and the records of the final examinations in the subjects of Part I, and by the results of the records of the Observation and Practice-teaching of Part II.

(2) The sessional records represent oral and written exercises, practical work, practice in making examination papers, and in valuing the answer-papers of pupils, and written examinations which shall test in particular the academic scholarship of the candidates.

(3) At the final examinations in Part I, each paper in the academic subjects shall contain questions in methodology, which shall test also the candidate's academic knowledge and, if his sessional records and his answers to these questions show that his academic knowledge is defective, he shall be rejected on this ground alone.

(4) No student in Science or in Modern Languages shall be recommended for a certificate who is not awarded 50% of the marks assigned to laboratory practice in Science or to the oral practice in the Languages.

(5) The maximum marks assigned to each subject in Part I shall be 100. In all subjects a maximum of 40% of the marks shall be assigned to the sessional records and 60% to the final written examinations.

(6) A maximum of 800 marks shall be assigned to Practice-teaching and of 300 to Observation. The standing of the student in Observation and in Practice-teaching shall be based upon his sessional records in the lessons following those which form part of the introductory courses.

CERTIFICATES

INTRAMURAL CANDIDATES

14. (1) A student who obtains 50% of the marks in each of the required subjects of Part I and 60% of the aggregate of the marks in each of the divisions of Part II, may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim High School Assistant's certificate, Type B.

(2) A student who passes in Part II and fails in not more than one of the required subjects of Part I will be exempted from further attendance.

(3) All other students who have failed to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

EXTRAMURAL CANDIDATES

15. (1) (*a*) Candidates who are exempted from attendance at the Ontario College of Education, as provided in Section 15. (1) (c), may complete their standing for a certificate by re-writing, at an annual examination, the examination in the subject in which they failed.

(*b*) Candidates who failed at an examination under former Regulations and who were exempted from subsequent attendance at the Ontario College of Education shall take, not later than a date determined in each case by the Minister of Education, the final examination papers as prescribed herein but their standing shall be determined in the subjects as constituted under the regulations in force when they first wrote.

(*c*) Candidates who have been exempted by the Minister of Education from attendance at the Ontario College of Education because they hold Permanent First Class[2] certificates issued on the completion of a second session of attendance at a Provincial Teachers' College, or because they hold Permanent First Class[2] certificates and for at least the last two years of their teaching experience have been graded better than "Average" by the Inspectors on the Teachers' Record Cards, and who are required to write on the final examinations of the Ontario College of Education shall present to the College, on or before February 1st[3] of the year in which they write the final examinations of the High School Assistants' course, Type B, evidence of graduation as required by Section 9. (1) (*e*)[1]; they shall take the prescribed final examinations in the subjects of Part I, and shall also satisfy the examiners that they are competent to teach efficiently the subjects of the High School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

(2) The pass standard for candidates exempt from attendance shall be the same as that for candidates in attendance, as required by Section

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[1]From candidates exempted from attendance by the Minister, the College will accept in lieu of the actual certificate of graduation, an official statement from the candidate's university that the candidate has completed the work for the degree on or before February 1st of the year in which he presents himself to write the final examinations of the College, and that he will receive the degree at the next regular Convocation of his university.

[2]Now called the Elementary-School Teacher's certificate.

[3]This applies to extramural candidates for any certificate listed in the calendar.

14. (1), but no allowance shall be made for sessional work, if any, in the case of candidates not in attendance.

(3) (*a*) Candidates exempt from attendance at the Ontario College of Education under (1) (*c*) above or (4) (*a*) below shall take their practical tests in Part II at such times during the session as may be agreed upon with the examiners, but not later than May 1st. They shall take their examinations in the subjects of Part I at one annual examination at the close of the session on dates to be determined by the examiners.

(*b*) Candidates exempt from attendance may take their written examinations in Part I at the Ontario College of Education, Toronto, or at one of the Provincial Teachers' Colleges outside of Toronto or, in the case of candidates who live in Provincial Districts, at approved local centres where inspectors of schools are available as presiding officers.

(*c*) Candidates exempt from attendance shall take their practical tests at the Ontario College of Education, Toronto, or, in special cases, at local centres under the supervision of the visiting Provincial Inspector. The conditions that determine these cases may be learned from the Ontario College of Education on application at the beginning of the session. A candidate who has failed in the practical tests at the Ontario College of Education or under a Provincial Inspector shall not be admitted to a second practical test during the same College session.

(4) (*a*) Candidates who have fulfilled the requirements for admission to the High School Assistants' course, Type B, and (i) who hold Ontario First Class[2] certificates issued on the completion of one session of attendance at an Ontario Teachers' College and have had at least three years of successful teaching experience[1] in the Public, Separate, or Continuation Schools of Ontario, or (ii) who hold Permanent Second Class certificates issued on the completion of one session of attendance at an Ontario Teachers' College and have had at least six years of successful teaching experience in the Public or Separate Schools of Ontario, or (iii) who hold Permanent Second Class certificates issued on the completion of a second session of attendance at an Ontario Teachers' College, or (iv) who hold interim Vocational certificates and have had at least two years of successful teaching experience in the Vocational Schools of Ontario, shall be exempted from attendance at the Ontario College of Education but shall attend the Summer course for a High School Assistant's certificate, Type B, conducted by the Department of Education, and shall take the final examinations of the Summer course in the prescribed subjects of Part I. They shall also satisfy the examiners that they are competent to teach efficiently the subjects of the Secondary School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two

[1]Service personnel may count a year of service for a year of teaching experience, up to a maximum of two years, but *such candidates will be required to take a practical test in teaching.*

[2]Now called the Elementary-School Teacher's certificate.

years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

(*b*) A candidate who has been duly admitted to the Summer Session for the High School Assistant's certificate, Type B, who attends throughout the session, and who successfully passes the examinations at the close of the session, may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim High School Assistant's certificate, Type B. The recommendation, however, will be withheld until the candidate has satisfied the examiners as indicated in (4) (*a*) above that he is competent to teach efficiently the subjects of the High School courses.

(*c*) Candidates who have obtained Interim Vocational certificates by attendance at the Ontario Training College for Technical Teachers or the Ontario College of Education, and who in addition to the practice teaching lessons required for a Vocational certificate, have taught to the satisfaction of the staff of the Ontario College of Education, at least ten lessons in academic subjects (English, Mathematics and Science) shall be exempted from the practical test in teaching.

(*d*) Candidates who have attended the Summer Course or have been exempted from attendance under (1) (*c*) above, and who fail in one or more of the various tests prescribed for an Interim High School Assistant's certificate, Type B, may complete their standing for said certificate under the following conditions: (i) candidates who fail in the practical test in teaching shall be admitted to a second test in a subsequent College Session; (ii) candidates who fail in more than one subject of Part I shall rewrite at one annual examination of the College Session the examinations in all prescribed subjects of Part I; (iii) candidates who fail in not more than one subject of Part I may rewrite at an annual examination of the College Session, the examination in the subject in which they failed; (iv) candidates who do not pass the final examinations of the Summer Session will be required to take the final examinations of the regular College Session within three years of having attended a Summer Session in this course, or must re-attend the Summer Session in order to be eligible for admission to the examinations for an Interim High School Assistant's certificate, Type B.

(*e*) Other candidates who hold an Ontario First[2] or Second Class certificate with the academic standing required for admission to the High School Assistants' course, Type B, shall be exempted from attendance during the Autumn term[1]; but shall take all sessional tests held in the Winter and Spring terms and all the final examinations prescribed for Part I and shall also satisfy the examiners by practical tests that they are able to teach the subjects of the Secondary School courses.

[1]Application for admission to the College at the beginning of the second term in January should be made not later than December 1st. Enrolment in January may be limited according to the available accommodation.

[2]Now called the Elementary-School Teacher's certificate.

LETTER OF STANDING

16. (1) Candidates who have fulfilled the requirements for admission to the Course leading to the Interim High School Assistant's certificate, Type B, and who are exempted by the Minister of Education from attendance at the Ontario College of Education on account of equivalent training in other provinces of Canada or in other countries of the British Commonwealth of Nations, may be granted a *Letter of Standing* by the Minister valid, for not more than one year from the date of issue, in a secondary school, or in Grades IX and X of an elementary school.

(*a*) Before being granted a *Letter of Standing* an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education.

(*b*) Before being granted a *Letter of Standing* an applicant must submit a certificate from a competent authority that he is a British subject.

(2) On the statement of the Principal that the candidate has taught successfully for one year under the authority of a *Letter of Standing*, he may be recommended by the Inspector concerned for the Interim High School Assistant's certificate, Type B.

COURSES FOR INTERIM HIGH SCHOOL ASSISTANTS' CERTIFICATES, TYPE A

CONDITIONS OF ADMISSION

17. (1) Applicants for admission to the courses for Interim High School Assistants' certificates, Type A, or to the final examinations for said certificates,[2] shall also be applicants for admission to the course for the Interim High School Assistant's certificate, Type B, or shall be applicants for admission to the examinations therefor without attendance throughout the session, or shall already hold High School Assistants' certificates. No candidate will be awarded an Interim High School Assistant's certificate, Type A, or receive credit towards said certificate *before* he has been awarded an Interim High School Assistant's certificate, Type B.[1]

(2) A candidate for an Interim High School Assistant's certificate, Type A, who is also a candidate for admission to the course for an Interim High School Assistant's certificate, Type B, shall comply with the conditions for admission prescribed for candidates for the Interim High School Assistant's certificate, Type B, and shall submit evidence of the required standing in the final or graduation courses approved by the Minister of Education.[3]

(3) The applicant whose standing is below 66% but not lower than 60% in these approved courses will be admitted to the final examinations leading to the Interim High School Assistant's certificate, Type A, on submitting evidence from the Principal and High School Inspector of at least five years' teaching experience in the Department concerned, graded better

[1]See Section 1 (2). [2]See footnote 3, page 19.

[3]For information regarding the alternative plan for admission to Type A courses, communicate with the Secretary, Ontario College of Education.

than average, in a Secondary School of Ontario subsequent to obtaining the academic standing referred to above. The initial inquiry should be addressed to the Ontario College of Education.

COURSES[1]

18. (1) Courses shall be offered for Interim High School Assistants' certificates, Type A, in Agriculture, Classics, English, English and French, English and German, English and Latin, English and Spanish, English and History, Geography, History, French and German, French and Italian, French and Spanish, Latin and French, Latin and Greek, Mathematics, Mathematics and Physics, Science, Physics and Chemistry, Physics and Biology, Chemistry and Biology, Applied Sciences and Home Economics.

(2) Courses shall also be offered leading to Interim High School Assistants' certificates, Type A, in Physical Education, Art, Instrumental Music, and Vocal Music, under the conditions defined in Section 26.

(3) Each Type A course shall consist of at least the equivalent of two seminar-periods per week throughout the Session and of special Observation and Practice-teaching in the subjects in which the candidate is an applicant for a High School Assistant's certificate, Type A.

TEXT-BOOKS

19. Students in the courses for High School Assistants' certificates, Type A, shall supply themselves with such text-books as may be recommended by the instructors.

EXAMINATIONS

20. (1) Subject to the condition that no student may be awarded an Interim High School Assistant's certificate, Type A, who does not already hold or is not also awarded an Interim High School Assistant's certificate, Type B, the final standing of students in attendance in the High School Assistants' courses, Type A, shall be determined by the records of the Practice-teaching in the department or subject concerned, and by the combined results of the sessional records and the records of the final examinations in the same department or subject. The sessional records represent oral and written exercises, practical work, practice in preparing examination papers, and in valuing the answer-papers of pupils, and such term work as the instructors may prescribe. The records of the final examinations shall be based upon two examination papers taken in each department at the close of the session. The maximum marks represented in the Practice-teaching shall be 100; in the sessional records 40; and in the final written examinations of the department or subject 60.

(2) The final standing of students not in attendance shall be determined by the final written examinations and by teaching in the department concerned. For this purpose the maximum of marks in each case shall be 100.

[1]See footnotes 1, 2, page 16

CERTIFICATES

21. (1) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A, referred to in Section 18 to students in attendance who have fulfilled the conditions of the course for the Interim High School Assistant's certificate, Type B, and in their High School Assistants' course, Type A, have obtained (*a*) 66% of the aggregate of marks represented in the sessional records and the records of the final examinations and (*b*) 66% of the marks assigned to the Practice-teaching.

(2) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A, of Section 18 (1) to students exempt from attendance who hold or are awarded High School Assistants' certificates, who are duly qualified for admission to a High School Assistants' course, Type A, and who obtain 66% of the marks assigned to the written examinations and to the Practice-teaching, respectively, in the High School Assistants' course, Type A, concerned.

(3) Students who are awarded Interim High School Assistants' certificates, Type A, in Home Economics under (1) and (2) above and who hold or obtain First[1] or Second Class certificates are qualified to teach in the Home Economics departments of Public and Separate Schools.

(4) (*a*) For students not in attendance the written examinations in the courses for Interim High School Assistants' certificates, Type A, of Section 18 (1) will be held at the close of the session at such centres and under such conditions as are set out in Section 15 (3).

(*b*) For students not in attendance the practical examinations shall be held at the Ontario College of Education, Toronto, or at local centres as prescribed in Section 15.

SUPPLEMENTARY COURSES[2]

22. Students in attendance in the High School Assistants' course, Type B, may take also *one*[3] of the following Supplementary courses:

I. Course for the Elementary Physical Education certificate, Type A.

II. Course for the Elementary Art certificate.

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[1]Now called the Elementary-School Teacher's certificate.

[2]Students taking the High School Assistants' courses, Type A in Physical Education, Art, Vocal Music, Instrumental Music, or Home Economics are responsible for the Elementary course, or in the case of Home Economics the Intermediate course, in these subjects and may not take a supplementary course in another field.

[3]Any student may, with the approval of the instructor, take the Elementary courses in both Vocal Music and Instrumental Music.

III. Course for the Elementary Vocal Music certificate, Type A.

IV. Course for the Elementary Instrumental Music certificate, Type A.

V. Course for the Elementary Commercial certificate.

VI. Course for the Elementary Industrial Arts certificate, Type A.[4]

VII. Course for the Elementary Certificate in Home Economics.

VIII. Course for the Intermediate Home Economics certificate.[5]

IX. Course for the Interim Elementary-School Teacher's certificate.[4]

Within one month of the beginning of the above Supplementary courses, the student shall satisfy the instructor of the Supplementary course he has chosen that he is adapted to the study of the course, orhis registraton in the Supplementary course shall be cancelled.

23. (1) The subjects of supplementary courses I–IX shall be those set forth in Sections 52–63 and 31, respectively. Observation and Practice-teaching are obligatory in each of these supplementary courses.

(2) Students in supplementary courses I–IX shall supply themselves with such text-books and equipment as may be recommended.

EXAMINATIONS OF SUPPLEMENTARY COURSES I–VIII[6]

24. (1) PHYSICAL EDUCATION:

Practical Tests:

FOR WOMEN: Fundamental Movements, Dance, General Activities, Games.

FOR MEN: Basic Drill, Gymnastics, Apparatus, Games, Swimming.

Fifty per cent of the marks in each of the practical tests shall be assigned to the sessional and fifty per cent to the final tests.

Written Examination:

Theory, Methods and Materials.

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[4]The Supplementary courses leading to the Interim Elementary-School Teacher's certificate and to the Interim Elementary Type A certificate in Industrial Arts may not be completed in the regular College session, but require one subsequent Summer session before the candidates will be recommended for the certificates.

[5]Admission to this course is restricted to students who submit evidence of graduation, with a standing not lower than 60% in the Home Economics of the final year from a University course approved by the Minister of Education in which, for at least the last two years of the course, Home Economics has been a regular subject of study.

[6]See Section 29 for Course IX.

(2) ART:

Practical Tests:

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering.

Written Examinations:

Theory and History of Art, Methods of Teaching Art.

(3) VOCAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Voice Training and Song Material, Conducting.

Written Examinations:

Rudiments of Music, Music Appreciation, Methods.

(4) INSTRUMENTAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Technical Training, Conducting.

Written Examination:

Methods.

(5) COMMERCIAL SUBJECTS:

Practical Tests:

Shorthand Practice, Typewriting, Penmanship.

Written Examinations:

Shorthand Theory, Bookkeeping, Methods.

(6) INDUSTRIAL ARTS:

Practical Tests:

Draughting, Woodworking, Sheet Metal Work, Machine Shop Practice.

Written Examination:

Methods of instruction and class organization of the General Shop.

(7) HOME ECONOMICS—ELEMENTARY COURSE:

Practical Tests:

Personal, family and social relationships; The home; Food and Nutrition; Clothing and textiles.

Written Examinations:

Theory and Methods, Grades IX and X, Parts I and II.

(8) HOME ECONOMICS—INTERMEDIATE COURSE:

Practical Tests:

Meal Management; Care of the Home and Family; Clothing—Selection, Construction and Care.

Written Examinations:

Theory and Methods. Parts I and II

CERTIFICATES FOR SUPPLEMENTARY COURSES I–VIII[1,2]

25. (1) On the recommendation of the examiners the Minister of Education may grant an Elementary certificate in Art or an Elementary Certificate in Home Economics or an Elementary Commercial certificate or an Elementary Type A certificate in Physical Education or Vocal Music or Instrumental Music or an Intermediate certificate in Home Economics, or standing in Part I of the course for the Elementary Type A certificate in Industrial Arts, as the case may be, to a student in the course for an Interim High School Assistant's certificate, Type B, provided that the said student is awarded an Interim High School Assistant's certificate, Type B, and obtains a minimum of 60% of the marks assigned to practice-teaching and (*a*) in Commercial subjects a minimum of 50% of the marks assigned to each subject, or (*b*) in Art or Physical Education or Industrial Arts or Vocal Music or Instrumental Music or Elementary Home Economics or Intermediate Home Economics a minimum of 60% of the marks assigned to each subject of the written examination and practical tests.

No student shall be recommended for a certificate or for standing in Art or Physical Education or Vocal Music or Instrumental Music or Industrial Arts or Home Economics or Commercial Subjects whose attendance or progress in any part of the course has been reported as unsatisfactory.

(2) The Dean shall investigate the claims of the candidates for the Elementary Type A certificate in Physical Education who report themselves as unable for physical reasons to take the course in swimming, provided that such claims are presented to the instructor on a form and after a manner defined by the Minister of Education. Candidates who are exempted by medical certificate from the course in swimming and candidates who have failed to obtain pass standing in the course in swimming may be awarded Elementary Type A Physical Education certificates endorsed "not including swimming".

(3) On the recommendation of the examiners, the Minister of Education may permit candidates in the supplementary courses I–VIII who have been awarded Interim High School Assistants' certificates, Type B, and have obtained a minimum of 60% of the marks assigned to practice-

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[1]The certificates which are mentioned herein are those valid for teaching in High Schools, i.e., in Physical Education, the Elementary Type A, and the Type A; in Vocal Music and Instrumental Music, the Elementary Type A, and the Type A; in Art, the Elementary and the Type A; in Industrial Arts, the Elementary Type A; in Home Economics, the Elementary and the Intermediate; and in Commercial Subjects, the Elementary.

[2]See Section 33 for Course IX.

teaching but have failed to obtain standing in their respective courses to complete their standing in said courses under the following conditions:

(i) In Physical Education or Industrial Arts or Home Economics, candidates who fail in the written examination, but pass in all the subjects of the practical tests may complete their standing by passing in the written examination at a subsequent examination without further attendance; candidates who pass in the written examination but fail in one or more of the subjects of the practical tests may complete their standing by passing in the subjects concerned at a subsequent Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(ii) In Art or Vocal Music or Instrumental Music, candidates who fail in not more than two subjects of the written and practical tests may complete their standing by passing in the subjects concerned at a subsequent examination without further attendance, but in the subjects of the practical tests such candidates must try the tests conducted at the Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(iii) In the Commercial course, candidates shall be allowed credit towards an Elementary certificate in the subject or subjects in which they are successful.

COURSES FOR THE HIGH SCHOOL ASSISTANTS' TYPE A CERTIFICATES IN PHYSICAL EDUCATION, ART, VOCAL MUSIC, AND INSTRUMENTAL MUSIC

26. (1) Admission to the High School Assistants' course, Type A, in Physical Education as well as the Elementary course in Physical Education will be granted to students (i) who hold the degree of Bachelor of Physical and Health Education of the University of Toronto with a final standing not lower than 60%, or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and who hold the degree of Bachelor of Physical and Health Education of Queen's University with a final standing not lower than 60%, or (iii) who hold the degree of Bachelor of Arts of the University of Western Ontario obtained in the honour course[1] in Physical Health and Recreation Education, with a final standing not lower than 60%.

(2) Admission to the High School Assistants' course, Type A, in Art as well as the Elementary course in Art will be granted to students who hold the degree of Bachelor of Arts of the University of Toronto obtained in the honour course in Fine Art or in Art and Archaeology with a final standing of not lower than 66%.

(3) Admission to the High School Assistants' course, Type A, in Vocal Music[2] will be granted to students (i) who hold either the degree

[1]Graduates of this course with the Recreation option are not eligible for the Type A course in Physical and Health Education.

[2]Students of the Type A course in Vocal Music may, with the approval of the instructor, take the Elementary course in Instrumental Music.

of Bachelor of Arts of the University of Toronto obtained in the honour course in Music or the Bachelor of Music degree of the University of Toronto obtained in the course in Music Education,[1] with a standing of at least 60 per cent., or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the degree of Bachelor of Music of the University of Toronto obtained in the course in General Music, or (iii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the teacher's or performer's diploma of the Royal Conservatory of Music of Toronto, or the Special Music certificate of Queen's University, or the Associate (teacher's) diploma of the Western Ontario Conservatory of Music, or the Diploma of Music Graduate in Pedagogy of the University of Western Ontario.

Admission to the High School Assistants' Course, Type A, in Instrumental Music will be granted to students who hold the Bachelor of Music Degree of the University of Toronto obtained in the course in School Music [1]

27. Students admitted to the High School Assistants' course, Type A, in Physical Education, Art, Vocal Music or Instrumental Music under Section 26 shall supply themselves with such text-books and equipment as may be recommended by the instructors.

CERTIFICATES

28. (1) On the recommendation of the examiners, the Minister of Education may grant High School Assistants' certificates, Type A, in Physical Education, Art, Vocal Music or Instrumental Music to those admitted under Section 26 who fulfil the conditions stated in Sections 20 and 21 (1).

(2) Students who are awarded Interim High School Assistants' certificates, Type A, in Physical Education, Art, Vocal Music or Instrumental Music under Section 26 and who hold, or obtain, Second or First Class[2] certificates may also be awarded Supervisors' certificates valid in Public and Separate Schools.

29. COURSE FOR THE INTERIM ELEMENTARY-SCHOOL TEACHER'S CERTIFICATE[3]

The course is conducted in accordance with the conditions prescribed in the Regulations, Examinations and Courses of Study of the Ontario Teachers' Colleges. It may not be completed in the regular College session but requires a subsequent Summer Session before the candidates will be recommended for the certificate.

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[1]This refers to the degree in the course in Music Education of the University of Toronto, introduced in 1946.

[2]Now called the Elementary-School Teacher's certificate.

[3]Course IX as listed in Section 22.

CONDITIONS OF ADMISSION

30. (1) Applicants for admission to the course for the Interim Elementary-School Teacher's certificate or to the final examinations for said certificate shall comply with the conditions of admission and attendance prescribed for candidates for the Interim High School Assistant's certificate, Type B. No candidate will be awarded an Interim Elementary-School Teacher's certificate before he has been awarded an Interim High School Assistant's certificate, Type B.

TEXT-BOOKS

(2) The text-books for the academic work of the course shall be those prescribed in each subject for the High, Public and Separate Schools.

PROGRAMME OF STUDIES

31. The course of training, which is supplementary to the course of training for the Interim High School Assistant's certificate, Type B, includes the following subjects some of which will be offered in the regular College session, the remainder in a Summer Session:

Part I: Educational Psychology; School Management; English, Part I; English, Part II; Mathematics; Social Studies; Science and Agriculture; Art; Music; Physical Education; Health; Industrial Arts.

In the development of the methodology of the course, emphasis shall be laid upon the correlation and integration of the subjects, and upon the importance of wholesome, vigorous, shared activities, directly connected with the learner's capacities and interests. The teacher's main function shall be represented as the stimulation and guidance of the learner, through the control of the regulating environment of the school; this postulates freedom and responsibility for the teacher and demands positive, definite teaching.

Part II: Observation and Practice-teaching—at least ten full days—to be conducted under conditions defined in Ontario Teachers' College courses for the Interim Elementary-School Teacher's certificate.

EXAMINATIONS

32. (1) Subject to the condition that no student may be awarded an Interim Elementary-School Teacher's certificate who is not also awarded an Interim High School Assistant's certificate, Type B, the final standing of the students in attendance in the course for an Interim Elementary-School Teacher's certificate shall be determined by the records of the Observation and Practice-teaching and by the combined results of the

sessional records and the records of the final examinations in such course. Subject to the same condition, the final standing of candidates not in attendance shall be determined by the records of the final written examinations and of Practice-teaching.

(2) The examinations in the subjects of the course for an Interim Elementary-School Teacher's certificate shall be conducted, *pari passu*, in the terms and under the conditions set out in the Teachers' College Courses for the Interim Elementary-School Teacher's certificate.

CERTIFICATES

33. (1) (*a*) Subject to the conditions of Section 32 (1), and to the conditions defined in Ontario Teachers' College courses for the Interim Elementary-School Teacher's certificate, a candidate who obtains 60% of the marks in each subject of the course and 60% of the aggregate of the marks in each of Observation and Practice-teaching may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim Elementary-School Teacher's certificate.

(*b*) Subject to the same conditions, a candidate who passes in Observation and Practice-teaching and fails in not more than two subjects shall be exempted from further attendance and may complete his course for an Interim Elementary-School Teacher's certificate by rewriting at one annual examination the examinations in the subject or subjects in which he failed.

(2) All candidates other than those referred to in (1) (*b*) above who have failed to obtain the necessary final standing will be required to attend such other sessions as the Minister may prescribe.

(3) Section 15 (1) (*a*), (*b*), (2) and (3) (*b*), which apply to the candidates for the Interim High School Assistant's certificate, Type B, who are exempt from attendance, shall apply also, *pari passu*, to candidates for the Interm Elementary-School Teacher's certificate who are exempt from attendance.

(4) The Regulations of the Department of Education respecting Permanent Elementary-School Teachers' certificates are contained in the Department's Circular No. 72. Holders of Interim Elementary-School Teachers' certificates obtained after training at the Ontario College of Education are referred to Regulations III (2).

DETAILS OF SUBJECTS

34. The details of the subjects of the courses for Interim High School Assistants' certificates, Types A and B, for Elementary certificates in Physical Education, for Elementary certificates in Art, for Elementary certificates in Instrumental Music and Vocal Music, for Elementary

certificates in Home Economics, for Intermediate certificates in Home Economics, and for standing in Elementary Industrial Arts, are set out below.

For the course for the Interim Elementary-School Teachers' certificate these details and subjects shall be supplemented by the details and subjects set out in the Teachers' College courses for the Interim Elementary-School Teachers' certificate.

INTRODUCTION TO EDUCATION

35. The nature, foundations and status of Educational Theory: historical review and consideration of purposes and aims of education.

The significance for modern educational thought and practice, of broadly distinctive schools of philosophy: survey of the values and practices emphasized by outstanding educationists, particularly, but not exclusively, of the last two centuries.

Current educational thought: contemporary aims, problems and practices in education, with particular reference to secondary education.

School and society: relationship of school to the home and other educational agencies in the community.

EDUCATIONAL PSYCHOLOGY

36. (1) *The psychology of adolescence.*—The place of the adolescent in our culture; his physical, social, emotional, and intellectual growth; formal and informal means of assessing individual development in these areas; adapting schooling to individual differences.

(2) *The psychology of learning.*—Introduction to the learning process; motivation including the nature of goals, classroom motivation, various patterns of teacher-leadership, classroom discipline; factors affecting the learning of concepts and principles; identification and the learning of attitudes; practice and the learning of skills; transfer of training; the rate of learning and forgetting; evaluation of educational progress.

(3) *The psychology of personality.*—Adjustment to frustration; personality structure and character formation; the mental health of teacher and pupils.

(4) *Guidance.*—Basic principles and current practices in guidance.

SCHOOL MANAGEMENT AND LAW

37. School Management, School Organization, School Administration; aims and scope of each; relation of each to the teaching process.

The Ontario school system: Department of Education, and its organization and functions; local administrative units; school boards, their selection, organization and functions; types of schools; school finance and business administration; relation to other public services.

The High School plant: provision, maintenance, care and use; special accommodations; relation to community activities.

The High School curriculum: aim, structure and use; texts; extra-curricular activities.

The High School pupil: attendance, rights, duties, guidance.

The High School teacher: professional status; personal qualifications; training and certification; appointment, tenure, payment, superannuation; duties in relation to trustees, parents and other citizens; duties in relation to supervisors, colleagues and pupils; freedom and responsibility.

High School organization: admission, exclusion, classification, grading, promotion, tests of progress, records and reports, recommendations, staff-meetings, time-tables, supervised study, homework.

Supervision: inspectors, principals, heads of departments; their powers and duties.

Discipline: aim and scope; relation to methods of teaching; incentives; causes of disorder and inattention; methods of dealing with weaknesses and delinquencies.

School Law and Regulations: Public Health Acts and Regulations in so far as they refer to the duties of school boards, teachers and pupils.

ENGLISH

38. (1) *Literature.*—The place of literature in school courses; the principles followed in Ontario and elsewhere in arranging literature courses for schools; books suitable for intensive and extensive study in the various forms or grades of the school; class treatment of such types of literature as the short poem, the long narrative poem, the play, the essay, the short story, and the novel; examinations in literature; supplementary reading, its importance, selection of books, testing of reading.

The course in literature includes a consideration of the problems connected with the teaching of silent and expressive reading.

(2) *Composition.*—The aim in teaching composition; principles to be followed in arranging a course; the place of grammar and of rhetoric in the High School course; the use of models; choice and variety in subjects; assigning, valuing and correcting compositions; special problems of oral composition.

SEMINAR IN ENGLISH

For Type A candidates in English and, in part, English and French, English and Latin, English and German, and English and Spanish.

39. A consideration of the following phases of the teaching of English: (*a*) courses of study, (*b*) presentation of difficult topics, (*c*) special methods of teaching.

SOCIAL STUDIES: GEOGRAPHY AND HISTORY

40. Place and objectives of the Social Studies in the secondary school curriculum; nature of Social Studies, Geography, and History, as subjects; course of study in the Intermediate and Senior Divisions in Ontario;

demonstration and discussion of teaching procedures: planning a course of study; standards and examinations; books and other equipment.

41. SEMINARS IN GEOGRAPHY AND IN HISTORY.

For Type A candidates in Geography and in History.

Teaching and discussion of selected topics from the courses of study in the Senior Division; the role of the specialist teacher.

MATHEMATICS

42. A consideration of:

(*a*) the courses of study, Grade IX to Grade XII,

(*b*) methods of presenting topics in the various courses with special emphasis on the work of the earlier grades,

(*c*) measurement and the degrees of accuracy when computing with approximate numbers,

(*d*) the use of mathematical models and devices to provide motivation and to illustrate applications of the work in Mathematics.

SEMINAR IN MATHEMATICS

For Type A Candidates in Mathematics and, in part, Mathematics and Physics.

43. Methods of presenting prescribed Grade XIII topics in Trigonometry and Statics, Analytic Geometry and Senior Algebra. The analysis of some of the more difficult problems in Grade XII Geometry is also considered. In Statics, an experimental treatment of the work, as well as problem solving, is emphasized. Consideration is given to examinations in Mathematics, the teaching of the more mature or gifted pupils, the selection of suitable Historical references, mathematical models and equipment.

SCIENCE

44. *General Science.*—The content and methodology of the courses for Grades IX and X. Emphasis on the use of living specimens in the teaching of biology; other visual aids such as preserved specimens, diagrams, charts, models, photographs, lantern slides, films, microprojectors; laboratory classes; demonstration experiments; pupils' reports; classroom discussion in relation to experimental work.

Physics and Chemistry.—The content and methodology of the prescribed courses for Grades XI and XII. Methods of conducting laboratory classes; demonstration experiments; the care and use of equipment; development (inductively) of the laws of physics and chemistry.

SEMINAR IN SCIENCE

For Type A candidates in Science *or* Physics and Chemistry *or* Physics and Biology *or* Chemistry and Biology and, in part, Mathematics and Physics.

45. Methods of presenting the topics prescribed for study in Grade XIII physics, chemistry, and biology during the current year. The purchase, storing, maintenance and repair of apparatus; the organization of the science programme; science clubs; the keeping of living animals and plants. The seminars in each of physics, chemistry and biology are conducted separately.

SEMINAR IN AGRICULTURE

For Type A Candidates in Agriculture[1]

46. The History of agricultural education in the United States and Canada and particularly in Ontario: developments prior to 1904; developments since 1904; the influence of Departmental regulations, the Ontario Agricultural College, Summer Courses and various organizations in the development of agricultural education; the present regulations of the Department of Education and their relation to the teaching of Agriculture in the elementary and secondary schools and Teachers' Colleges; qualifications of teachers; relations of school boards and teachers; provisions for inspection and reports; elective courses, and vocational agricultural courses in secondary schools.

Equipment and methods; special equipment needed for agricultural topics; arrangement of laboratory and classroom; storage and care of apparatus; preparation of illustrative material and charts; the projection lantern; the moving picture machine; agricultural periodicals, reference books and other sources of information; the school garden, planning and care; beautification of school grounds; home projects and collections; planning of courses; types of lessons; use of illustrative material; correlation of the science subjects in courses in agriculture.

CLASSICS (LATIN AND GREEK)

47. The relation of method in teaching Latin or Greek to linguistic method in general; the effect of the object of teaching Latin or Greek upon the method in various departments, such as oral reading, grammar, translation, sight reading, and the literary or historical content; illustration of methods in typical lessons.

Pronunciation; oral reading, sight reading, and English translation as prescribed for Grades XI and XII; general principles of word-structure and sentence-structure; word order; methods of teaching the parts of a lesson; topics of inflection and syntax as found in the Latin and Greek Books; special emphasis on difficult topics.

The course will stress oral practice in Latin.

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[1]Candidates for the High School Assistant's certificate, Type A, in Agriculture shall take also the Science of the course for the High School Assistant's certificate, Type B.

SEMINAR IN CLASSICS

For Type A Candidates in Classics, Latin and Greek, and, in part, Latin and French, and English and Latin

48. In the seminar in Classics, the topics treated will be those which are germane to the teaching of the Latin and Greek authors and prose prescribed for study in Grade XIII during the current year. These will include:

A study of adequate translation of the works of Latin and Greek authors.

Appreciation of the art of Horace, Virgil, Catullus, and Homer.

The Philosophy of Horace.

The legacy of Greece and Rome.

The teaching of the following metres: Hexameter, Elegiac, Sapphic, Alcaic.

The different types of poetry represented in the prescribed authors and the debt of English writers to classical originals.

The teaching of Latin continuous prose composition.

The morphology and syntax of Attic Greek together with a general treatment of the principles of Greek accent.

FRENCH, GERMAN, SPANISH OR ITALIAN

49. Pronunciation: Study of sounds and their spelling; phonetic symbols; devices for teaching; intonation exercises; dictation; singing.

Course of Studies in Grades IX and X: Introductory lessons, including conversational work for beginners; reading for comprehension; vocabulary building; conversation based on reading; paraphrasing; dictation; functional grammar, stressing the verb and pronoun.

Course of Studies in Grades XI and XII: Methods of conducting reading; increased emphasis placed on writing; grammar; translation from English into the foreign language; supplementary reading; testing.

Illustration of methods in typical lessons.

The course will stress oral practice in the foreign language.

SEMINAR IN MODERN LANGUAGES

For Type A Candidates in French and German *or* Spanish *or* Italian, and in part, Latin and French, English and French *or* German *or* Spanish.

50. In the seminar in Modern Languages, stress will be laid upon methods of presenting the work to be studied in Grade XIII during the current year.

Topics treated will include: Teaching of advanced grammar and prose composition; correction of written work; conducting of reading lessons; sight reading; supplementary reading; free composition; conversation; making of examinations; use of dictionaries and books of reference.

SEMINAR IN HOME ECONOMICS

(For Type A Candidates)

51. The development of Home Economics in Ontario schools. Present trends, values and aims.

Responsibilities of the home economics teacher for curricular and extra-curricular programmes.

Curricula: materials, procedures, content.

Teaching methods and techniques currently applied in this field.

Evaluation: objectives and materials.

The home economics classroom: selection, placement and care of furnishings and equipment.

Records, budgets, regulations.

The above topics will be presented, explored, discussed and demonstrated in regular seminars and accompanying demonstration classes.

PHYSICAL EDUCATION

52. This course is outlined in the Courses of Study for Grades IX-XIII issued by the Ontario Department of Education.

COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Theory, Methods and Materials (for men and women).

Practice (for men):

(*a*) Basic Drill.
(*b*) Gymnastics.
(*c*) Apparatus.
(*d*) Games.
(*e*) Swimming.

Practice (for women):

(*a*) Fundamental Movements.
(*b*) Dance.
(*c*) General Activities.
(*d*) Games.

SEMINAR IN PHYSICAL EDUCATION

For High School Assistants', Type A Candidates

53. (1) Organization and administration, including the following:

(*a*) aims, objectives and policies,
(*b*) selection and grading of teaching material,
(*c*) marking and testing,
(*d*) planning the curricular and extracurricular programmes.

(2) Methods and survey of material (Women):

(*a*) Physical Education—fundamental movements, dance, general activities, games, swimming.

(*b*) Health Education—anatomy, physiology, body mechanics, first aid, healthful living, child study.

(3) Methods and survey of material (Men):

(*a*) Physical Education—basic drill, gymnastics, apparatus, games, swimming,

(*b*) Health Education—anatomy and physiology, first aid, safety education, healthful living.

ART

54. COURSE FOR THE ELEMENTARY CERTIFICATE

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering, Theory and History of Art, Methods of Teaching Art.

SEMINAR IN ART

For High School Assistants', Type A Candidates

55. The seminar in Art will discuss classroom methods and problems relating to the advanced grades. Special emphasis will be given to (*a*) the securing, organizing and use of illustrative source material, such as slides, prints and exhibitions which can be used to interpret and intensify the study of art history and art criticism; (*b*) a more advanced study of the theory, history and practice of art.

VOCAL MUSIC

56. COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Voice Training and Song Material:

The adolescent voice; choral singing; practice in tone production, intonation, diction, and breath control; blending of voices in part singing; interpretation; analysis of song material for Grades IX and X.

Conducting:

The conducting patterns of common metres; special problems: attack and release, incomplete bars, expression, use of the left hand.

Rudiments of Music:

Notation (notes, rests, clefs); intervals and their inversion; metre and rhythm; scales (diatonic and chromatic); transposition; musical terms, abbreviations and ornaments.

Music Appreciation:

Teaching of the topics prescribed for Grades IX and X; the human voice, musical instruments, elementary form, nationalism, music aesthetics; study of selected compositions through recordings; organization of a course in music appreciation; choice and care of equipment.

Methods:

General principles of music education; analysis of the course for Grades IX and X; voice testing; teaching of rote songs, reading songs, part songs and theory; use of the piano; integration of music with other subjects; the relation of the school orchestra to the vocal programme; elementary scoring and transposition for instruments.

INSTRUMENTAL MUSIC

57. COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Technical Training:

Fundamentals of tone production and basic fingering in all families of instruments; playing scales, diatonic and chromatic; simple melodies; reading orchestral scores of elementary range; construction and care of all types of instruments.

Conducting:

The conducting patterns of common metres; special problems of conducting in instrumental groups.

Methods:

General principles of organization and instruction of instrumental classes; special methods of class teaching for strings, band classes, or combined groups.

NOTE: This is a practical course, with the emphasis laid on two essential points, (i) individual mastery of instruments;
(ii) methods of class teaching.

SEMINAR IN VOCAL MUSIC

For High School Assistants', Type A Candidates

58. *Sight Singing and Ear Training:*

Sight reading of songs based on the theory prescribed for Grade XIII; extraneous modulation; singing of major scales from any note in the scale

to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords listed below for harmony; detection of errors in the performance of more advanced part songs.

Voice Training and Song Material:

Advanced study of topics listed in the Elementary Type A Course through choral works; unaccompanied singing; modern theories of voice training; the teaching of special classes in voice training; selection of song, choral and operatic material for Grade XIII classes, public performances and festivals.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Operetta:

The detailed study and preparation of an operetta for public performance.

Music Appreciation:

Teaching of the topics prescribed for Grade XIII; advanced form, music biography and history, the analysis of selected compositions with special attention to the prescribed works for Grade XIII; use of miniature scores; supplemental reading; evaluation of recordings for school use; use of radio in music appreciation.

Methods:

Modern theories of music education; musical talent and its measurement; the specially gifted pupil; the relation of Secondary School music to music in the Elementary School and to the work of the private teacher; administration; music festivals and adjudication; practice in individual tutorial work; the piano accompaniment of school singing; analysis of the prescribed course for Grade XIII.

SEMINAR IN INSTRUMENTAL MUSIC

For High School Assistants', Type A Candidates

59. *Sight Singing and Ear Training:*

Sight reading of songs based on the theory prescribed for Grade XIII; extraneous modulation; singing of major scales from any note in the scale to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords for harmony; detection of errors in the performance of more advanced part songs.

The Orchestra and Band:

Orchestral playing, organization and conducting; selection of music for Grades IX to XIII class study, for orchestras and bands of Secondary School calibre, and for public performance and festivals.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Arranging:

Transcription and arranging of selections from piano score for full orchestra or band; transposition for all instruments.

Methods:

Advanced study of topics listed in the Elementary Type A course.

Class instruction of instrumental classes, beginners and advanced classes, with all types of instruments.

60. COURSE FOR THE ELEMENTARY COMMERCIAL CERTIFICATE

(1) Shorthand Theory:

The principles of the Isaac Pitman system; writing continuous matter in approved shorthand forms; transcribing sight passages in continuous shorthand.

(2) Shorthand Practice and Transcription:

Writing from dictation for ten minutes, in approved Pitman Shorthand, easy material at the rate of sixty words per minute; transcribing of these notes on a typewriter with blanked keyboard; ten minutes to be allowed for revision of notes, and forty minutes for transcription.

(3) Typewriting:

(*a*) Typing for ten minutes on a typewriter with blanked keyboard at a net rate of thirty words per minute with 1% error or less. (The basis for estimating the number of words shall be five strokes per word.)

(*b*) Application of typewriting to simple problems in setting up business letters, headings, programmes, invitations, announcements, display work, tabular work.

(4) Bookkeeping:

The study of the various aspects of the fundamental equation, including journalizing, posting and the setting up of the financial statements in trading and non-trading organizations.

(5) Penmanship:

Posture, penholding, position of the paper, movement, development of speed, classification of small and capital letters according to similarity of basic principles. Graceful, legible business writing; ledger headings; figures; accounts; marking alphabet; writing on the blackboard.

(6) Methods—Minor:

(*a*) Methods of teaching Business Practice and Bookkeeping: instructional material; testing programme; presenting special topics; text-books; outlining courses; grading papers.

(*b*) Methods of teaching junior Shorthand and Typewriting.

(i) First year in Shorthand: organization of classes and materials; content of course; analysis of text-book; division of time for various sections of the work; various methods of approach; shorthand penmanship; reading of shorthand; how and when to test; the place of theory in junior classes; how and when to introduce transcription.

(ii) First two years in Typewriting: typing room, equipment and supplies; class organization; teacher's preparation; application of general principles to the teaching of typing technique; analysis and prevention of errors; speed development; tests and how to mark them; the second year course; written reports on actual lessons.

61. COURSE FOR THE ELEMENTARY INDUSTRIAL ARTS CERTIFICATE, TYPE A

This course may not be completed in the regular College session but requires a subsequent Summer session before the candidates will be recommended for the certificate.

Draughting: Orthographic projection problems; isometric drawing of rectangular, circular and cylindrical figures; sketching oblique views, geometric drawing; tracing and blue printing.

Woodworking: Nature, structure and characteristics of common woods; the selection and suitability of woods for various purposes; seasoning, defects and grading lumber; cutting out operations, planing, squaring, chiselling and paring; uses of various fastening materials; construction of common joints; various methods of wood finishing and care of brushes; use and care of band saw, variety saw, jig saw and jointer; the wood turning lathe, with elementary turning of single spindle and face plate work; sharpening and care of woodworking tools.

Sheet Metal Work: Laying out patterns, cutting, bending, soldering and rivetting of tin plate and galvanized iron; etching, hammering, planishing and polishing of brass and copper.

Machine Shop Practice: Hand tools and bench work; layout work and elementary machine operations.

Methods of instruction and class organization of the General Shop.

62. COURSE FOR THE ELEMENTARY CERTIFICATE IN HOME ECONOMICS

Principles underlying topics suggested for Grades IX and X, INTERMEDIATE DIVISION. Outline of Course for Experimental Use, 1951, Ontario Department of Education.

Typical classroom procedures.

Acquaintance with suitable source materials.

Contribution of home economics to the school, home, and community.

63. COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

The home economics curriculum: materials, procedures, content.

Fundamental principles, practices, and standards in home and family living.

Problems of organization; methods of teaching; aids to learning; home and classroom equipment. Departmental regulations. Guidance in classroom teaching.

64. ONE-YEAR COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

This course will not be offered at the College during the session 1958–59. Teachers may qualify for the Intermediate Certificate in Home Economics through Summer courses offered by the Ontario Department of Education. For details direct inquiries to the Deputy Minister, Department of Education, Parliament Buildings, Toronto.

65. DICTION AND VOICE PRODUCTION

General lectures on diction and voice production.

Corrective work and exercises.

66. COURSES FOR CERTIFICATES IN VOCATIONAL EDUCATION AND INDUSTRIAL ARTS

The Ontario Training College for Technical Teachers, which was established in Hamilton in 1925, has been re-organized as a department of the Ontario College of Education, Toronto, as of September 1, 1946.

I. Courses for the Interim Vocational certificates, Type B and Type A.

II. Courses for Industrial Arts certificates:

1. The Intermediate certificate.
2. The Specialist certificate.

67. GENERAL CONDITIONS OF ADMISSION

(1) An applicant for admission to the courses referred to above shall make application, not later than August 31st, to the Director of Vocational Training, 371 Bloor Street West, Toronto 5, on a form to be obtained from him, and shall submit with this application, on forms also to be supplied by the Director:

(a) A certificate from the Deputy Registrar-General of Births, Parliament Buildings, Toronto, or an affidavit by one of the parents or other relative, or other person cognizant of the applicant's date of birth.

Age limits:

For the Interim Vocational course, male applicants shall be not less than twenty-three and not more than thirty-five years of age; female applicants shall be not less than twenty-one and not more than thirty-two years of age.

For the Intermediate Industrial Arts course, applicants shall be at least twenty years of age.

For the Specialist Industrial Arts course, applicants shall be not less than twenty-three and not more than thirty-five years of age.

(b) A certificate from a competent authority that he is a British subject.

(c) A certificate from a clergyman or other competent authority that he is of good moral character.

(d) A certificate of successful vaccination.

(2) Before the final admission, and provided that the applicant is not already the holder of a Teacher's certificate, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 23rd, and shall hold themselves in readiness to appear for subsequent further examination as required. Students are required to be in continuous attendance at the College during the period of the medical examination, September 23rd to 27th.

(3) In the event of rejection of an applicant in consequence of the medical examination and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

68. COURSE FOR INTERIM VOCATIONAL CERTIFICATE, TYPE B

REQUIREMENTS FOR ADMISSION

To this course may be admitted Applied Science graduates (engineers) and skilled tradesmen.

(1) Engineers. A candidate shall be the holder of a degree from the faculty of Applied Science of a recognized university, and shall submit statements to prove not less than two years' subsequent experience in the field of his major subject.

(2) Skilled Tradesmen, who are not engineering graduates.

(*a*) Education.

Applicants are required to give evidence of secondary school graduation or the equivalent. Otherwise, candidates may be required to write examinations in English, Mathematics and Science, these examinations to be held at the College on the first day of the session.

(*b*) Trade Training and Experience.

(i) The training or apprenticeship required shall be that usually demanded for journeyman's qualifications in the trade concerned. Special training obtained in an approved day vocational school will be taken into account in considering the period of training. Applicants should submit statements from the persons or firms under whom they were trained, showing the length of the training period and the nature of the work.

(ii) The experience required shall be several years of wage-earning journeyman trade experience with approved high-grade firms, and shall be such as to show that the applicant is a skilled craftsman, competent in the main branches of the trade, and familiar with its recent developments. The length of the journeyman experience depends upon the nature of the trade. Documentary evidence of experience in the trade in approved shops shall be furnished by the applicant.

69. COURSE FOR INTERIM VOCATIONAL CERTIFICATE, TYPE A

REQUIREMENTS FOR ADMISSION

(1) This course is offered to Applied Science graduates (engineers) who have been graded 66% or higher in their final year and one other year at the university.

(2) Each candidate shall

(*a*) submit evidence of not less than two years of approved wage-earning experience in the field of his major subject,

(*b*) be required to take all the subjects of the course for Type B certificate, and to obtain grading of 66% or more in them,

(*c*) take additional courses in the organization, administration, and supervision of vocational schools, with special reference to the duties and responsibilities of the shop, technical or industrial directors, assistant principals and principals.

If his grading in the Type B course (see (2) (*b*)) is not a failure but is less than 66%, he will be recommended for a Type B certificate only.

70. PROGRAMME OF STUDIES

The course of training for the Interim Vocational certificate, Type B, consists of two parts:

Part I: Educational Psychology
School Law and Regulations
English
History of Vocational Education
Principles of Teaching and Classroom Management
Technical Subjects: 1. trade analysis,
2. shop plan,
3. equipment list,
4. yearly budget,
5. course of study.

Part II: Observation and Practice-teaching.

71. ORGANIZATION OF COURSE

(1) Every applicant shall be required to pass an examination designed to test his attainments as a skilled worker in the trade concerned. The examination shall be on the fundamental principles, operations, processes and skills of the trade, and shall be in two parts (1) written, (2) practical. In the practical examination he shall be required to show his skill in a performance test.

(2) In general, the course is built upon the experiences of the student-teachers in the practice schools. Observation is stressed during the early part of the session. Individual and group instruction will be increased until, in the final two weeks, the student-teacher will take charge of the class with no assistance from the teacher.

(3) During alternate weeks in the College, in addition to the programme of studies, the student-teacher is given an assignment to cover his duties in the practice school for the following week. A corresponding bulletin is mailed to the teacher, who reports on the progress of the student at the completion of each week of Practice-teaching.

(4) Where possible, student-teachers are sent at first to vocational departments in the smaller composite schools and later to technical schools in the larger centres. The Director and his staff visit the practice schools from time to time to assist in evaluating the students' work.

72. DETAILS OF SUBJECTS

The details of the subjects of the course for the Interim Vocational certificate, Type B, are set out below.

EDUCATIONAL PSYCHOLOGY

(a) Psychology
  (i) intelligence, tests and measurements;
  (ii) learning, nature and laws; memory, fatigue, transfer, etc.
  (iii) mental hygiene of the pupil and the teacher,
  (iv) psychology of adolescence; school discipline.
(b) Guidance: basic principles and current practices in guidance.

SCHOOL LAW AND REGULATIONS

The Vocational Education Act, Regulations for Vocational Schools, the Apprenticeship Act, the Trade Schools Regulation Act; other legislation and regulations of direct concern to vocational schools.

ENGLISH

English—both oral and written—a brief review of the main essentials of grammar and composition to enable the shop teacher to avoid the more common errors in the use of words.

HISTORY OF VOCATIONAL EDUCATION

Brief historical sketch to show vocational aspects of educational developments; contributions of the educational reformers, Comenius, Locke, Rousseau, Pestalozzi, Fellenberg, Herbart, Froebel, Spencer; relation of industrial developments to the need for industrial education; development of secondary education, of vocational education; the manual training movement, the mechanics' institute, the farm and trade school, industrial and technical schools, trade schools; part-time, co-operative and apprenticeship classes; the Ontario educational system.

PRINCIPLES OF TEACHING AND CLASSROOM MANAGEMENT

Learning process as applied to practical subjects; formal lesson types; individual differences; individual and group instruction; lesson planning; instruction aid material—sheets, pictures, charts, films, models; organization of instruction material; tests and examinations; records; special shop problems.

TECHNICAL SUBJECTS

(a) Trade Analysis and Course of Study:

Study of the work of the skilled craftsman to determine the teachable content of each trade or calling. Analysis of the trade to determine the skill, and the trade, technical and concomitant knowledges of the skilled

worker; selection of instructional materials and arrangement into groups according to learning difficulties; selection of projects to be used to fit the order of the course of study; determination of related mathematics, science, drawing and auxiliary information needed in each project, preparation of course of study; unit courses.

(*b*) Shops Plan, Equipment List, and Annual Budget:

Study of desirable features of shops and classrooms, size, shape, lighting, lay-out; preparation of minimum, and desirable, lists of equipment for the type of shop in which the teacher-in-training will work; design of benches, tables, furniture, selection of tools and machines; approximate prices; preparation of annual budget.

73. COURSES FOR INDUSTRIAL ARTS CERTIFICATES[1]

COURSE FOR THE INTERMEDIATE CERTIFICATE

This is a two-year course to provide training for those who contemplate the teaching of Industrial Arts in Public, Separate, Continuation and High Schools. Applicants admitted under condition (*a*) below shall be exempted from attendance during one year of the course.[2]

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit:

(*a*) An Ontario Teaching certificate;

(*b*) Either an Elementary Manual Training certificate, or a statement indicating successful completion of Part 1 of the Elementary course in Industrial Arts.

74. PROGRAMME OF STUDIES

The course of training for the Intermediate certificate in Industrial Arts consists of two parts as follows:

Part I: Activity Analysis and Course of Study
Shop Work
History of Industrial Arts Education
Guidance

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[1]The Dean reserves the right to limit the total enrolment of Intermediate and Specialist candidates to twenty-five.

[2]Candidates who have completed Parts I, II and III of the Elementary Industrial Arts course, and who have been recommended by the Inspector of Industrial Arts, may attend the Intermediate course beginning after the Christmas vacation. It should be noted that this course is offered infrequently, as it requires at least ten applicants. It will not be offered in 1958-59.

Part II: Observation and Practice-teaching.

Each student is given at least three weeks in a practice school. His teaching progresses from individual and group instruction to complete charge of routine duties and class instruction. If possible, he is sent to the general shop in (a) a public school, (b) a continuation or high school, and (c) a collegiate institute.

Note: For the Programme of Studies for those who must attend two years, see the Programme of Studies of the course for the Interim Vocational Certificate in Section 70.

75. DETAILS OF SUBJECTS

ACTIVITY ANALYSIS AND COURSE OF STUDY

See Technical Subjects in Section 70.

SHOP WORK

The present set-up consists of (a) Metal work, (b) Woodwork and Crafts. Each shop is organized on the general shop plan. At least four activities are being conducted in each shop. Metal work includes such activities as forge and vise work, sheet metal, welding, machine shop, and machinery principles. Woodwork and Crafts include drafting, woodwork (both hand and machine processes), building construction, practical electricity, furniture finishing, leather work, art metal work, and plastics.

HISTORY OF INDUSTRIAL ARTS

See History of Vocational Education in Section 70.

GUIDANCE

Basic principles and current practices in guidance.

76. COURSE FOR THE SPECIALIST CERTIFICATE[1]

This course is to provide training for those who contemplate teaching Industrial Arts in collegiate institutes.

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall:

(*a*) Hold an Intermediate certificate in Industrial Arts;

(*b*) Subsequently, have at least one year of successful teaching in the field of Industrial Arts, as verified by the inspector concerned;

(*c*) Show evidence of having passed not less than eight Grade XIII papers, including one in English. It is recommended that the candidate include papers in Mathematics and Science as these subjects are essential to progress in Industrial Art.

[1]This certificate may be obtained also in summer courses conducted by the Department of Education.

77. PROGRAMME OF STUDIES

The course of training for the Specialist certificate in Industrial Arts consists of two parts as follows:

Part I. Activity Analysis, Course of Study and Shop Management Advanced Shop Work

Part II. Observation and Practice-teaching.

78. EXAMINATIONS AND CERTIFICATES

(1) The final standing of students in attendance in the course for the Interim Vocational Certificate or the courses for the Intermediate and Specialist Certificates in Industrial Arts shall be determined by the combined results of the sessional records and the records of the final examinations of Part I and by the results of the records of the Observation and Practice-teaching of Part II, of the course concerned.

(2) The sessional records in each course represent oral and written exercises, practical work, research and frequent tests; and at the close of each term there will be a set of examinations.

(3) A candidate shall pass in each of the subjects listed in the Programme of Studies of the course concerned. The pass standard shall be 50% of the marks assigned to each subject of Part I and 60% of the aggregate of the marks assigned to each of the divisions of Part II. A candidate for the Intermediate Industrial Arts certificate or the Specialist Industrial Arts certificate must pass a performance test before a certificate is issued.[1]

(4) (*a*) A candidate for the Interim Vocational certificate who passes in Part II and fails in not more than two subjects of Part I shall be exempted from further attendance.

(*b*) A candidate for the Intermediate certificate in Industrial Arts who passes in Part II and fails in not more than two sections of Shop Work *or* one other subject of Part I shall be exempted from further attendance.

(*c*) A candidate for the Specialist certificate in Industrial Arts who passes in Part II and fails in not more than two sections of Advanced Shop Work of Part I shall be exempted from further attendance.

(*d*) All other candidates who fail to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

(*e*) A candidate exempted from attendance, as provided in (*a*), (*b*) or (*c*) above, may complete his standing for a certificate by rewriting at an annual examination the examination in the subject in which he failed. Examinations will be held at the close of the session at such centres and under such conditions as are set out in Section 15 (3) (*b*).

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[1]A candidate for the Interim Vocational certificate, either Type B or Type A, must obtain a minimum of 50% in the Trade test.

79. GRADES OF CERTIFICATES

(1) An Interim Vocational certificate, Type B, which qualifies the holder to teach a shop subject for two years in a vocational school.

(2) A Permanent Vocational certificate.

(3) An Interim Vocational certificate, Type A, valid for two years.

(4) A Permanent Vocational Specialist certificate.

(5) An Interim Intermediate certificate in Industrial Arts which qualifies the holder to teach shop work for two years in a public, separate, continuation or high school.

(6) A Permanent Intermediate certificate in Industrial Arts.

(7) Under the new Regulations, a Specialist certificate in Industrial Arts in Grades XI and XII of a Secondary School.

(8) A Vocational School Principal's certificate. For the requirements for this certificate, consult the regulations of the Department of Education.

LETTER OF STANDING

80. (1) Candidates who have fulfilled the requirements for admission to the course leading to the Interim Vocational certificate, Type B, and who are exempted by the Minister of Education from attendance at the Ontario College of Education on account of equivalent training in other provinces of Canada or in other countries of the British Commonwealth of Nations, may be granted a *Letter of Standing* by the Minister valid, for not more than one year from the date of issue, in the corresponding trade subject in a secondary school.

(*a*) Before being granted a *Letter of Standing* an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education.

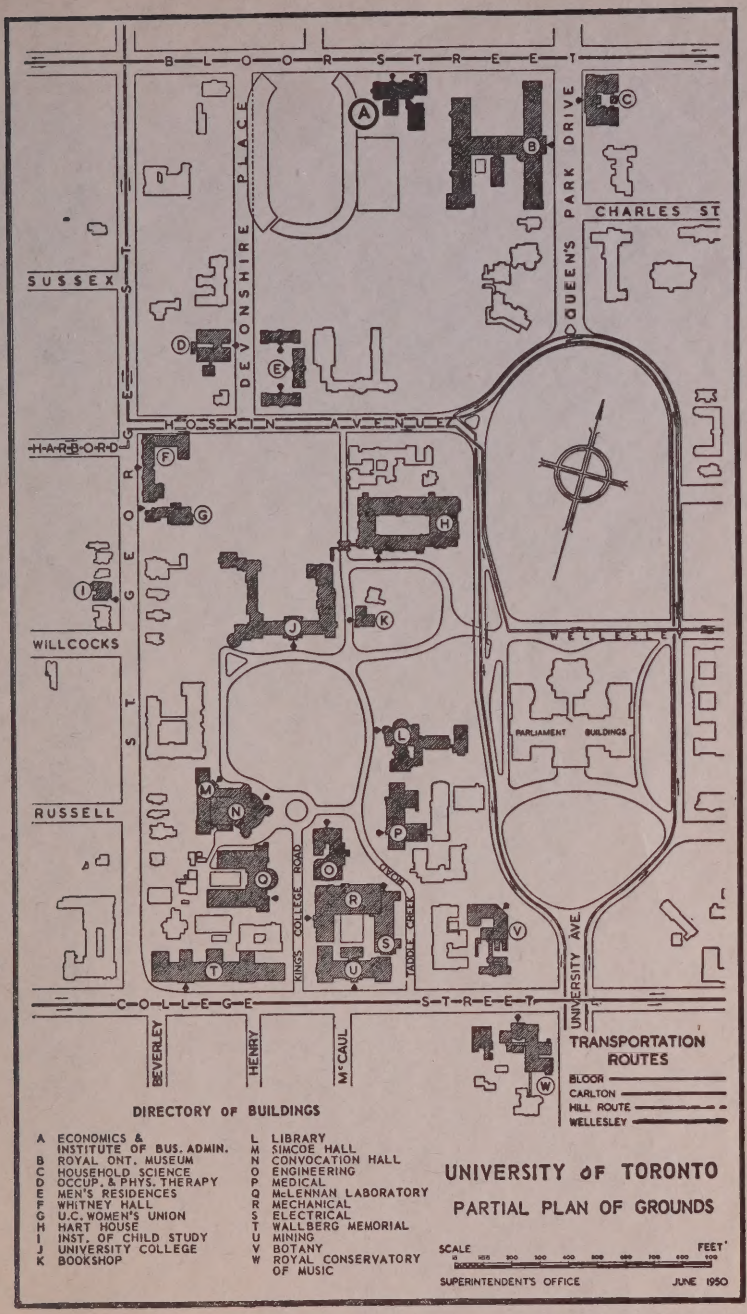
(*b*) Before being granted a *Letter of Standing* an applicant must submit a certificate from a competent authority that he is a British subject.

(2) On the statement of the Principal that the candidate has taught successfully for one year under the authority of a *Letter of Standing*, he may be recommended by the Inspector concerned for the Interim Vocational certificate, Type B.

81. GRADUATE DEGREES IN EDUCATION

The Ontario College of Education offers programmes of study leading to the graduate degrees of Bachelor of Education, Master of Education, Master of Arts, Doctor of Education and Doctor of Philosophy.

For information regarding these programmes see the separate announcement "Courses Leading to Graduate Degrees in Education, 1958-59".


B L O O R S T R E E T
DEVONSHIRE PLACE
QUEEN'S PARK DRIVE
CHARLES ST
SUSSEX ST
HOSKIN AVENUE
HARBORD
ST GEORGE
WILLCOCKS
WELLESLEY
PARLIAMENT BUILDINGS
RUSSELL
KINGS COLLEGE ROAD
TAYLOR CREEK
UNIVERSITY AVE
C O L L E G E S T R E E T
BEVERLEY
HENRY
McCAUL
TRANSPORTATION ROUTES
BLOOR
CARLTON
HILL ROUTE
WELLESLEY
DIRECTORY OF BUILDINGS
A ECONOMICS & INSTITUTE OF BUS. ADMIN.
B ROYAL ONT. MUSEUM
C HOUSEHOLD SCIENCE
D OCCUP. & PHYS. THERAPY
E MEN'S RESIDENCES
F WHITNEY HALL
G U.C. WOMEN'S UNION
H HART HOUSE
I INST. OF CHILD STUDY
J UNIVERSITY COLLEGE
K BOOKSHOP
L LIBRARY
M SIMCOE HALL
N CONVOCATION HALL
O ENGINEERING
P MEDICAL
Q McLENNAN LABORATORY
R MECHANICAL
S ELECTRICAL
T WALLBERG MEMORIAL
U MINING
V BOTANY
W ROYAL CONSERVATORY OF MUSIC
UNIVERSITY OF TORONTO
PARTIAL PLAN OF GROUNDS
SCALE
FEET
SUPERINTENDENT'S OFFICE
JUNE 1950

The University of Toronto issues the following official calendars, any one of which may be had on application to the Registrar of the University or to the Secretary of the Faculty, School or Institute about which information is sought.

CALENDARS

Admission Requirements
Admission Scholarships and Bursaries
Faculty of Arts
Faculty of Medicine
    Physical and Occupational Therapy
Faculty of Applied Science and Engineering
Faculty of Household Science
Ontario College of Education
Library School
Faculty of Forestry
Royal Conservatory of Music
    Faculty of Music
    School of Music
School of Graduate Studies
Faculty of Dentistry
    Dental Hygiene
Faculty of Pharmacy
Faculty of Law
School of Architecture
School of Physical and Health Education
School of Social Work
School of Nursing
School of Hygiene
Institute of Child Study
Institute of Business Administration
University Extension—
    General Course (Department of Extension)
    Evening Course in Business

Enquiries about the following colleges affiliated with the University of Toronto, should be addressed directly to the Registrar of the College concerned:

Ontario Agricultural College, Guelph, Ont.
Macdonald Institute, Guelph, Ont.
Ontario Veterinary College, Guelph, Ont.

1959-1960

ONTARIO COLLEGE of EDUCATION

CALENDAR

UNIVERSITY OF TORONTO

In view of increasing costs of supplies and labour, residence dues and other charges set forth in this calendar are subject to change by the Board of Governors.

UNIVERSITY OF TORONTO

CALENDAR

Ontario College of Education

1959-1960

UNIVERSITY OF TORONTO PRESS
1959

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	Special Five Weeks Summer Session (High School Assistants')	July 2	Aug. 5
	Regular Five Weeks Summer Session (High School Assistants')	July 6	Aug. 7
	Summer Session for Home Economics Graduates (Intermediate)	June 29	Aug. 11
	Summer Session for Home Economics Graduates (Type A)	June 29	Aug. 11
	Summer Session (Home Economics, Elementary)	July 6	Aug. 7
	Summer Session (Home Economics, Intermediate)	July 6	Aug. 7
	Summer Session (Industrial Arts, Intermediate)	July 6	Aug. 7
	Summer Session (Industrial Arts, Specialist)	July 6	Aug. 7
	Summer Session (Vocational, Type B)	July 6	Aug. 7
	Summer Session (Vocational, Type A)	July 6	Aug. 7
	Summer Session (Education)	June 29	Aug. 12
	Regular Autumn Term	Sept. 22 (9 a.m.)	Dec. 18 (5 p.m.)
1960	Regular Winter Term	Jan. 4 (9 a.m.)	Apr. 14 (5 p.m.)
	Regular Spring Term	Apr. 25 (9 a.m.)	May 27 (5 p.m.)

	Dates	
1959	Sept. 22–26	Medical Examination
	Sept. 23	Address by the President to the students of all faculties and schools at 3.45 p.m. in Convocation Hall
	Oct. 12	Thanksgiving Day
	Nov. 11	Remembrance Day Service
	Nov. 27	Autumn Convocation 8.30 p.m.
1960	Jan. 20	Last day for receiving the second instalment of fees
	Apr. 15	Good Friday
	May 9–17	Final Examinations (except for candidates for Intermediate and Specialist Industrial Arts Certificates)
	May 24–27	Final Examinations for candidates for Intermediate and Specialist Industrial Arts Certificates
	May 25–27	University Commencement

ADMINISTRATIVE OFFICERS

The University

President.....C. T. Bissell, M.A., Ph.D., D.Litt., LL.D., F.R.S.C.

Vice-President.....M. G. Ross, M.A., Ed.D.
Registrar.....J. C. Evans, B.A.
Chief Librarian.....R. H. Blackburn, M.A., B.L.S., M.S.
Warden of Hart House.....J. McCulley, M.A.
Director of University Extension.....D. C. Williams, M.A., Ph.D.
Director of Information and Publicity.....K. S. Edey
Director of Alumni Affairs.....J. C. Evans, B.A.

Vice-President (Administration).....F. R. Stone, B.Com., C.A.
Comptroller.....G. L. Court, D.F.C., M.Com., C.A.
Assistant Comptroller.....J. F. Brook
Secretary to the Board of Governors.....W. W. Small, B.Com., M.A.
Superintendent of Buildings and Grounds.....F. J. Hastie, B.Sc., P.Eng.
Chief Accountant.....D. J. Reid

Director of University Health Service
G. E. Wodehouse, M.C., M.D., F.R.C.P.
Assistant Director of University Health Service—Women
Miss F. H. Stewart, B.A., M.D.
Director of Athletics and Physical Education—Men..W. A. Stevens, B.S.
Director of Athletics and Physical Education—Women..Miss Z. Slack, B.A.
Director of the University of Toronto Press..... M. Jeanneret, B.A.
General Secretary-Treasurer of the Students' Administrative Council
E. A. Macdonald, B.A.
Associate Secretary of the Students' Administrative Council
Miss A. E. M. Parkes, B.A.
Director of Hart House Theatre.....R. S. Gill, M.A.
Director of the Placement Service.....J. K. Bradford, O.B.E., M.A.Sc.

Ontario College of Education

Dean.....B. C. Diltz, M.A.
Director of the Department of Educational Research
R. W. B. Jackson, B.A., Ph.D.
Director of Graduate Studies.....C. E. Phillips, B.A., D.Paed.
Director of the Guidance Centre.....M. D. Parmenter, M.A.
Director of Vocational Training and Industrial Arts Teacher Education
R. D. Phillips, B.Sc., M.Ed., P.Eng.
Supervisor of Practice Teaching.....D. F. Dadson, B.A., B.Ed.
Supervisor of Women Students.....Miss Helen B. St. John, M.A.
Librarian.....Miss Dorothy A. Thompson, B.A.
Secretary.....Miss A. A. L. Elliott, B.A.

Note.—Communications to the Ontario College of Education should be addressed to the Secretary, Ontario College of Education, 371 Bloor Street W., Toronto 5.

CALENDAR 1959

Jan.

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GENERAL INFORMATION

The Ontario College of Education trains candidates for certificates as teachers and in particular for Provincial certificates as teachers in secondary schools. It also offers courses leading to the B.Ed., M.Ed., Ed.D., M.A., and Ph.D. degrees.

The buildings of the Ontario College of Education on Bloor Street contain lecture-rooms, laboratories, and reading-rooms for the accommodation of the students, and model class-rooms for observation and practice-teaching. So far as necessary the observation and practice-teaching are supplemented by observation and practice-teaching in schools in and near the City of Toronto.

While the chief exercises of the Ontario College of Education will be conducted in the buildings on Bloor Street, the students in Education may use the University's library, gymnasium, and athletic fields, and Hart House, under such conditions as obtain with other students. They will also be admitted free to the Royal Ontario Museum, Bloor Street, and to the Toronto Art Gallery, Dundas St., from 9 a.m. to 5 p.m., on presentation of their registration cards.

BOARD AND LODGING

The Secretary of the Ontario College of Education will forward lists of boarding-houses on request.

COURSES AND CERTIFICATES

1. (1) The following courses are offered:

(*a*) Courses for the following certificates (all Interim): High School Assistants', Type B; High School Assistants', Type A;[1] Elementary-School Teachers'; Elementary in Art; Elementary Type A in Physical Education, Industrial Arts,[2] Instrumental Music, and Vocal Music,[2] Elementary in Home Economics; Intermediate in Home Economics; Elementary in Commercial; Vocational, Type B; Vocational, Type A; Intermediate in Industrial Arts; Specialist in Industrial Arts.

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[1] See Section 18 (1).

[2] The courses leading to High School Assistants' certificates, Type A, in Physical Education, Art, Instrumental Music and Vocal Music are open only to those who qualify under Section 26.

[3] This course may not be completed in the regular College session but requires a subsequent summer session before the candidate will be recommended for the certificate.

(*b*) Course for the degree of B. Ed.

(*c*) Courses under the School of Graduate Studies for the degrees of M.A., M.Ed., Ed.D. and Ph.D.

(2) High School Teachers' Certificates.[1]

(*a*) Grades of Certificates:

The following grades of certificates qualify the holders for teaching in High Schools and Collegiate Institutes:

(i) An Interim High School Assistant's certificate, Type B, which qualifies the holder for two years as an Assistant.

(ii) A Permanent High School Assistant's Certificate.

(iii) An Interim High School Assistant's Certificate, Type A, which qualifies the holder for two years as an Assistant.

(iv) A High School Specialist's Certificate which qualifies the holder to be head of a Department.

(*b*) Requirements for the above Certificates:

(i) For an Interim High School Assistant's Certificate, Type B: The completion of the professional course of training for this certificate at the Ontario College of Education.

(ii) For a Permanent High School Assistant's Certificate: The Interim High School Assistant's Certificate, Type B, and two years, successful teaching experience in Ontario in a secondary school or in Grades IX or X of a Public or Separate School.

(iii) For an Interim High School Assistant's Certificate, Type A: The completion of the professional course of training for this certificate at the Ontario College of Education.

(iv) For a High School Specialist's Certificate: An Interim High School Assistant's Certificate, Type A, and two years' successful teaching experience in Ontario in the subject or subjects covered by the Interim High School Assistant's Certificate, Type A.

(*c*) The holders of Interim High School Assistants' Certificates, Type B, or Permanent High School Assistants' Certificates may secure Interim High School Assistants' Certificates, Type A, under the conditions outlined in Section 17 of this calendar.

SESSION

2. (1) Enrolment will take place and the medical examination will begin at 9 a.m., Tuesday, September 22nd. The Autumn Term will end December 18th, at 5 p.m., and the Winter Term will begin January 4th at 9 a.m. The Spring Term will begin April 25th and end May 27th.

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[1]For certificates in Vocational Training and in Industrial Arts, see Section 79.

HIGH SCHOOL ASSISTANTS' SUMMER COURSES
1959 and 1960

(2) A summer course for the High School Assistant's certificate, Type B, will be held from July 2, 1959, to August 5, 1959, for candidates who qualified for Temporary Secondary-school Teacher's certificates on completion of the ten-weeks summer course in 1958, and who are recommended for admission by the Principal and High School Inspector concerned. The tuition fee for this course is $25, to be paid to the Chief Accountant of the University, before the opening day of the course.

(3) (a) From June 15, 1959, to August 21, 1959, a summer course will be held, leading to a Temporary Secondary-School Certificate. The Certificate shall be valid for the school year 1959–60. The holder of such Certificate may secure an Interim High School Assistant's Certificate, Type B, by attending, on the recommendation of the Principal and High School Inspector concerned, a second summer course from July 4, 1960, to August 5, 1960, and by passing the examinations of that course.

(*b*) A candidate for admission to the course leading to a Temporary Secondary-School Certificate must fulfil all the conditions of admission to the course for the Interim High School Assistant's certificate, Type B (Section 9), and also must submit evidence that he has accepted a contract offered by an Ontario Secondary School Board for the ensuing school year for a position which has been advertised after April 1 and for which no fully qualified applicant is available. Applications should be made to the Secretary, Ontario College of Education, Toronto 5, as soon as the candidate is under contract to teach.

(*c*) Medical examinations will begin at 9 a.m. on June 15th.

(*d*) Tuition fee for the summer session 1959, to be paid to the Chief Accountant of the University before the opening day of the session, $180; tuition fee for the second summer course 1959, to be paid to the Chief Accountant of the University, $25. These fees include medical and examination fees. None of the incidental fees required of students in the regular session shall be required of students in these summer sessions.

(*e*) No supplementary courses (Section 22) or Type A courses (Section 17) shall be offered in these summer sessions 1959 and 1960, but instruction in teaching the subjects of Grade XIII shall be provided for those deemed by the Dean and Council of the College to be capable of profiting by such instruction.

(4) Courses similar to those described in (3) above will be offered in subsequent summers if the enrolment is sufficient to warrant their establishment.

(5) A summer course for the High School Assistant's certificate, Type B, will be held from July 6, 1959, to August 7, 1959, for candidates who hold an Elementary-School Teacher's (First Class) Certificate, who have taught for a minimum of two years, and who have been recommended

by their inspectors. For particulars, see Section 15(4), page 25. The tuition fee for this course is $75, to be paid to the Chief Accountant of the University, before the opening day of the course.

DUTIES OF STUDENTS

3. (1) Regular attendance on the part of candidates for Provincial certificates is indispensable, except for such as are exempt from attendance under the regulations of the Department of Education, and for such as are permitted by the Dean to act, after Christmas, for not more than a total of one fortnight, as substitute teachers in the schools of Ontario.

(2) Students whose class-work shows them to be unduly deficient in scholarship, or whose attendance or progress is unsatisfactory, may be dismissed from attendance by the Council of the College at any time during the session.

(3) On the Dean's report to the Minister of Education as to the physical unfitness of a student for training for a Provincial certificate as a teacher, the Minister may require a special medical examination of such student, and, as a result thereof, may direct that his registration for such training be cancelled.

(4) Various religious, athletic, literary and dramatic associations are formed each session. For professional improvement all students shall share in the activities of the literary and dramatic associations.

FEES

4. (*a*) For Intramural Students:

High School Assistants' Course, Type B, and Vocational Training and Industrial Arts courses.

*Academic Fee	†Incidental Fees	Total Fee (if paid in one instalment)	First Term Instalment due Sept. 24	Second Term Instalment due Jan. 20
		Men		
$180	$40[1]	$220	$140	$83[2]
		Women		
$180	$25[1]	$205	$125	$83[2]

Notes: 1. The Academic Fee (which includes the examination and University Library fees) and the Incidental Fees are to be paid to the UNIVERSITY OF TORONTO. After January 20th, an additional deferred payment fee of $3 per month shall be imposed until the whole amount is paid.

2. There is no additional fee for a High School Assistants' course, Type A, or for a Supplementary course when taken concurrently with the High School Assistants' course, Type B.

(*b*) For Extramural Students:

Fee for the final examinations of the High School Assistants' course, Type B, which includes the fee for the final examinations of the High School Assistants' course, Type A, if taken concurrently..... **$20.00**

*The fee is the same for the Session after Christmas as for the regular College Session.

†These Incidental Fees include the following fees:—

For men—Hart House; Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

For women—Students' Administrative Council; Athletic; Health Service; and Medical Examination for admission to the College.

[1]A student who holds an Ontario teaching certificate will pay $37 or $22, as the case may be, because he or she will not be required to take a medical examination.

[2]An additional charge of $3.00 is made for payment of fees in two instalments.

Fee for the final examinations of the High School Assistants' course, Type A, if taken in a different Session from the final examinations of the High School Assistants' course, Type B..... 8.00

Fee for examination in one subject of any course when repeated in a subsequent Session..... 4.00

5. (1) FINAL EXAMINATIONS

No candidate will be permitted to take more than twice any final examination, or part thereof, for any certificate listed in this calendar.

(2) APPEALS

The answer papers of the final examinations of all unsuccessful candidates for Provincial certificates are re-read by the examiners, and the results of the first reading reconsidered before a decision to reject is reached. Despite this fact any unsuccessful candidate may have his case considered a third time if within two weeks after the announcement of the results he lodges with the Minister of Education his appeal, with a statement of the grounds on which it is based, and with a fee of $2.00. The fee will be refunded if the appeal is sustained.

6. SCHOLARSHIPS AND PRIZES

NOTE

On account of the continued tendency towards lower rates of interest, it is possible that the value of certain endowed scholarships and prizes at the time of payment may prove to be less than the amount stated in the calendar.

In those cases where the amount of the award is not payable from income earned on an endowed fund, payment will be dependent on the receipt of the amount of the annual award from the donor.

THE HUGH W. BRYAN MEMORIAL SCHOLARSHIP OF THE ONTARIO SECONDARY SCHOOL TEACHERS' FEDERATION[1]

(1) The Ontario Secondary School Teachers' Federation has founded an annual scholarship of the value of the interest on $2,000 in memory of a former President of the Federation, Dr. Hugh W. Bryan. This scholarship will be awarded by the Bryan Memorial Scholarship Committee of the Federation, at the close of each session and after the receipt of a report from the Council of the College of Education, to the student in regular attendance throughout the session in the High School Assistants' Course who has shown "the most outstanding qualities of scholarship, teaching ability, and character."

THE LAURA L. OCKLEY SCHOLARSHIP IN HOME ECONOMICS[1]

(2) Former students of Miss Laura L. Ockley, who was in charge of the training of Home Economics teachers in the University of Toronto from 1912 to 1943, have founded in her honour an annual scholarship of the value of $100. This scholarship will be awarded at the close of the session to a student in regular attendance in the High School Assistants' course, Type A, in Home Economics, or in the Intermediate Home Economics course, who has shown the most outstanding qualities of "scholarship and teaching ability in Home Economics and leadership in human relations." Awards over a period of years will be made to students of the High School Assistants' course, Type A, in Home Economics, and of the Intermediate Home Economics course in proportion to the registration in these courses during that period.

THE PAKENHAM MEMORIAL PRIZE[1]

(3) As a memorial to Dr. William Pakenham, Dean of the Ontario College of Education from 1907 to 1934, the teachers of Ontario have founded an annual Memorial Prize of the value of the interest on $1,000. The Prize will be in the form of books stamped with the Coat of Arms of

[1]Only one of these scholarships or prizes shall be awarded to any one student.

the University of Toronto, and will be awarded to the student who obtains the highest standing, as reported in the annual returns of the College, in the subjects of Part I of the High School Assistants' course, Type B, and in Practice Teaching.

THE WILLIAM PAKENHAM FELLOWSHIP IN EDUCATION

(4) The late William Pakenham bequeathed to the University of Toronto the residue of his estate to be used as the governing body of the University may direct in behalf of the activities of the Ontario College of Education.

Accordingly a Fellowship in Education has been established for advanced work either in the University of Toronto or in some other university approved by the Senate. The Fellowship shall be awarded at such intervals and have such value (not to exceed $3,000) as the Senate, on the recommendation of the Council of the Ontario College of Education, may from time to time determine. Applicants must be residents of Ontario, holding a Bachelor's degree, a teacher's certificate valid in a Canadian province, and must submit a record of professional experience and evidence of ability to make a contribution to education in Canada as a result of further work.

Applications shall be made on or before March 1st to the Secretary, Ontario College of Education.

THE JOHN THOMAS CRAWFORD MEMORIAL SCHOLARSHIP

(5) Mrs. J. T. Crawford has established an annual scholarship of $150.00 in the University of Toronto in memory of her husband, the late Professor John Thomas Crawford.

The scholarship, known as the John Thomas Crawford Memorial Scholarship, will be awarded to the candidate in the honour course in Mathematics and Physics in the University of Toronto who stands highest in the final examinations of the fourth year among those who proceed to the Ontario College of Education. The Scholarship will be paid on the successful completion of the fall term of the College of Education.

If no graduate of the Mathematics and Physics course attends the College the highest qualified candidate from the Physics and Chemistry course or from the Engineering Physics course, taken in that order, will be awarded the scholarship when other conditions are satisfied.

THE DU PONT OF CANADA SCHOLARSHIPS FOR SCIENCE OR MATHEMATICS TEACHERS

(6) The Du Pont Company of Canada Limited offers five grants of $1500 each to be used (1) to help attract competent science or mathematics students into the teaching profession and (2) to encourage science or mathematics teachers presently teaching in secondary schools to improve their competency.

These scholarships may be awarded to (1) a graduate or an under-

graduate in an honours course in, or who has majored in, science or mathematics and who agrees to enroll at the Ontario College of Education for the llowing academic year for training as a secondary school science or mathematics teacher, or to (2) a science or mathematics teacher already teaching in a secondary school and whose ability would be improved by a year's postgraduate work. Awards made for (1) and (2) are increased by $600 if the student or teacher is a married man.

Alternatively the faculty may use one grant of $1500 to award five summer scholarships of $300 each to secondary school teachers for additional training in science or mathematics.

These scholarships are tenable for the academic year 1959-1960 and for the summer of 1959. Detailed information and application forms are available from the Secretary, Ontario College of Education. Completed applications must be submitted to the Secretary not later than April 1, 1959.

CYANAMID OF CANADA SCHOLARSHIP

(7) Cyanamid of Canada, Ltd., is offering a scholarship of $1500 (or two scholarships of $750 each) to a Canadian citizen who has completed an honours course in Chemistry, Physics, Mathematics, Biology, or Engineering, and who agrees to enroll at the Ontario College of Education for one year's training, or to a teacher presently teaching the sciences in the secondary schools whose qualifications and competence would be furthered by a year's postgraduate work in this field.

Application forms shall be obtained from the Secretary, Ontario College of Education. Completed forms shall be mailed to the Secretary not later than April 1, 1959.

THE POLYMER CORPORATION SCHOLARSHIP IN MATHEMATICS AND SCIENCE

(8) The Polymer Corporation Limited of Sarnia, Ontario, has established a scholarship of $750 to promote interest and to increase the supply of teachers qualified to teach mathematics and science in secondary schools.

The scholarship will be awarded to a resident of Ontario who is a 1959 Arts or Science graduate of a recognized university, whose degree satisfies Canadian standards or who is a Polymer employee and who graduated within the last five years from a Canadian University. Candidates must be prepared to teach mathematics and/or science in a secondary school upon completion of the qualifying course at the Ontario College of Education.

Applications forms are available at the Ontario College of Education, at any recognized Canadian university (c/o Registrar), or by direct request from Polymer Corporation Limited, Application forms must be received not later than June 30, 1959, by the Secretary, Scholarship Committee, Polymer Corporation Limited in Sarnia, Ontario.

THE CONFEDERATION LIFE ASSOCIATION BURSARY IN MATHEMATICS

(9) The Confederation Life Association offers a Bursary of $500 to encourage students to enter the teaching profession to become teachers of mathematics. The award shall be made to a deserving student (or students) by the Council of the Ontario College of Education. Applications shall be made before June 30th to the Secretary, Ontario College of Education.

THE CANADIAN MATHEMATICAL CONGRESS SCHOLARSHIPS

(10) The Canadian Mathematical Congress, the national organization of mathematicians, awards annually scholarships of $300 to honours graduates in mathematics from Ontario universities to aid them in attending the Ontario College of Education as candidates for Type A certificates in mathematics. Two scholarships are allotted to the University of Toronto and one each to Assumption University, Carleton University, McMaster University, Queen's University, University of Ottawa and University of Western Ontario.

The Awards are made by the various universities. Application should be made to the head of the Department of Mathematics at the student's university. Awards of $150 may be made to students who wish to qualify for Type A certificate in mathematics through summer courses. In such cases the award is made for the first summer only.

THE KATHARINE SHERK MEMORIAL FUND

(11) The Ontario Federation of Home and School Associations has set aside a fund of $2500 in honour of a Past President of the Federation, the late Katharine Sherk, to be used to encourage university students to enter the teaching profession.

The Federation has recommended that for each of five years, beginning with the academic year 1958–1959, $500 be offered to a deserving student in the final year of a four-year honours course, or of a three-year course, who attends the Ontario College of Education during a regular session.

Applications shall be made before June 30th to the Secretary, Ontario College of Education.

ZONTA BURSARY—NELLIE LYLE PATTINSON AWARD

(12) The Zonta Club of Toronto offers an annual scholarship of $200 to a student registered in Home Economics in a teacher training institution. The award will be made not later than January the first to an applicant who shows reasonable evidence of need, standing as a superior student and potential ability as a teacher.

ZONTA LOANS

Loans up to $250 will be made to any woman student repayable in eighteen months without interest. Apply to the Librarian of the College of Education.

THE TORONTO BOARD OF EDUCATION TEACHING BURSARIES

(13) The Toronto Board of Education offers scholarships to candidates who qualify professionally through the Ontario College of Education special summer courses and who commit themselves legally to teach secondary school in Toronto for a period of five years after qualification.

For further details applicants should write to Mr. J. R. H. Morgan, Superintendent of Secondary Schools, Board of Education, 155 College Street, Toronto.

7. BURSARIES AND LOANS

(1) Dominion-Provincial Student Aid Bursaries may be awarded to students in financial need who are resident in Ontario and who are in attendance at the University of Toronto. Further information may be obtained from the Secretary of the Faculty.

(2) Provincial Student-Aid Loans of the Province of Ontario may be awarded to students in financial need who meet the conditions of the award. Application forms may be obtained from the Secretary, Ontario College of Education.

(3) Loans from the Ontario Secondary School Teachers' Federation are available to students of the winter course. Applications should be made to the Secretary, Ontario College of Education.

8. (1) HART HOUSE

All men students are required to become members of Hart House. The purpose and the conditions of this membership are defined in a bulletin to be distributed at the time of registration.

(2) UNIVERSITY HEALTH SERVICE

Information about this service may be obtained at registration.

COURSE FOR THE INTERIM HIGH SCHOOL ASSISTANT'S CERTIFICATE, TYPE B

CONDITIONS OF ADMISSION

9. (1) Except as provided in (2) and (3) below, an applicant for admission to the course for an Interim High School Assistant's certificate, Type B, shall make application not later than August 31st, to the Secretary of the Ontario College of Education on an official form to be obtained

from the Secretary, and should submit with this application, also on official forms which will be supplied by the Secretary:

(*a*) A certificate of birth. An applicant must be at least 20 years of age before October 1st of the year in which he applies for admission.

(*b*) A certificate from a clergyman or other competent authority that he is of good moral character.

(*c*) A certificate of successful vaccination.

(*d*) A certificate from a competent authority that he is a British subject or a Declaration of Intention to become a Canadian citizen.[1]

(*e*) His certificate of graduation as Bachelor or Master of Arts, Bachelor or Master of Science, Bachelor of Commerce, Bachelor of Science in Agriculture, Bachelor of Applied Science, Bachelor of Household Science, Bachelor of Music[2] or Bachelor of Physical and Health Education, from a university, after a regular university course, approved by the Minister of Education as to admission requirements and as to content[3] of the undergraduate courses.

(2) Before the final admission, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 22nd, and shall hold themselves in readiness to appear for subsequent further examination as required. *Students are required to be in continuous attendance at the College during the period of the medical examination, September 22nd to 26th.*

(3) No candidate will be admitted whose teaching certificate has been cancelled or suspended.

(4) Before the final admission, an applicant will be interviewed by an Advisory Committee consisting of at least three members of the College Staff and a member of the Ontario Secondary School Teachers' Federation, all of whom shall be appointed by the Dean.

(5) If an applicant, resident in Ontario, is rejected because of a medical examination, or a decision of the Selection Committee appointed by the Dean, the applicant's fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

(6) An applicant for admission to this course who is not a candidate for the certificate of the Ontario Department of Education must comply

[1]This is in accordance with a Departmental requirement. See the Department of Education Act, 1954, Section 11 (i)(c).

[2]This refers to the degree in the course in Music Education of the University of Toronto introduced in 1946.

[3]The university course should include a sufficient number of credits in at least three subjects that provide background for secondary school teaching.

with such conditions of admission as the Council of the Ontario College of Education may determine.

10. TEXT-BOOKS

The text-books for the academic work are those prescribed for the High Schools of Ontario in each subject of the student's course.

For Observation and Practice-teaching students should supply themselves with copies of all necessary school text-books.

11. PROGRAMME OF STUDIES

(1) The course of training for the Interim High School Assistant's certificate, Type B, consists of two parts as follows:

Part I: (*a*) General professional courses, including History and Philosophy of Education, Educational Psychology, and School Management and Law.

(*b*) Courses in methods of teaching any *three* [1,2,3,4,5] of the following:

English
Geography and History
Mathematics
Science
Latin
French
German
Greek
Spanish
Italian

Part II: Observation and Practice Teaching.

(2) Students in attendance in the High School Assistants' course, Type B, may take also, if they possess the required qualifications, a High School Assistant's course, Type A, and a Supplementary course.

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[1]Candidates for High School Assistants' certificates, Type A, as defined in section 18 (1), in selecting their subjects from (*b*) above, must include the corresponding subject or subjects of the High School Assistants' course Type A.

[2]German, Spanish, Greek and Italian may be chosen only by candidates for the High School Assistants' certificates, Type A, except by permission of the Dean.

[3]Candidates should not choose French unless they have oral proficiency in the language, and have a thorough knowledge of phonetics, French grammar, and syntax.

[4]Candidates should not choose Science without having taken university courses in Science.

[5]When English is combined with Mathematics and Science, the emphasis in the English course will be upon language and composition.

(3) Diction and Voice Production

Oral proficiency in English is expected of all students. Throughout the session lectures on Diction and Voice Production mentioned in Section 65 will be given. In these classes students will be given practice in effective reading, speaking and writing. Students requiring speech correction may be withdrawn by the Dean from their supplementary courses for this remedial work.

ORGANIZATION OF COURSE

12. (1) The instruction in the special methodology of the subjects of the High School courses shall be accompanied by a review from the academic standpoint of such portions of each subject as may be necessary to determine the scholarship of the students and to illustrate the methods of instruction in that subject, dealing in particular with those parts of the course that are difficult of presentation.

(2) The following introductory work shall be taken up at the beginning of the session:

(*a*) A brief course in the General Method of the Recitation as a preliminary to Observation and Practice-teaching.

(*b*) Supervised Observation and Practice lessons in Secondary School grades. Students shall be notified of the subject and scope of each Observation lesson, and should prepare the lesson beforehand. After observing the lesson they shall discuss it with the teacher or lecturer concerned.

(3) The introductory course defined in (2) above shall be followed by systematic Observation and Practice-teaching, under the general supervision of the lecturers in the Ontario College of Education.

Exclusive of the introductory work, the programme of instruction shall include for each student at least 25 full days of Observation and Practice-teaching. This number may be increased to meet the needs of individual students.

(4) (*a*) The Observation and Practice-teaching for each student shall be arranged to represent as far as practicable the work in all grades of the Secondary Schools.

(*b*) From time to time, throughout the College session, students shall be excused from the regular College exercises, and shall be assigned to approved practice-schools for continuous periods of Observation and Practice-teaching. For part of each of these periods of continuous practical work the student shall be wholly responsible for the management of his class.

(5) Students shall be notified of the subject and the scope of each Practice-teaching lesson required and shall prepare a plan of each Practice-teaching lesson for submission to the teacher.

(6) (*a*) The lecturers of the Ontario College of Education shall develop the details of their subjects in the teaching order, and, after each suitable step, model lessons will be taught in special classes and in the practice schools.

(*b*) From time to time, the lecturers of the Ontario College of Education shall be present at the Observation lessons and Practice-teaching of the students and shall join in the criticism and valuation of their work.

EXAMINATIONS

13. (1) The final standing of students in attendance shall be determined by the combined results of the sessional records and the records of the final examinations in the subjects of Part I, and by the results of the records of the Observation and Practice-teaching of Part II.

(2) The sessional records represent oral and written exercises, practical work, practice in making examination papers, and in valuing the answer-papers of pupils, and written examinations which shall test in particular the academic scholarship of the candidates.

(3) At the final examinations in Part I, each paper in the academic subjects shall contain questions in methodology, which shall test also the candidate's academic knowledge and, if his sessional records and his answers to these questions show that his academic knowledge is defective, he shall be rejected on this ground alone.

(4) No student in Science or in Modern Languages shall be recommended for a certificate who is not awarded 50% of the marks assigned to laboratory practice in Science or to the oral practice in the Languages.

(5) The maximum marks assigned to each subject in Part I shall be 100. In all subjects a maximum of 40% of the marks shall be assigned to the sessional records and 60% to the final written examinations.

(6) A maximum of 800 marks shall be assigned to Practice-teaching and of 300 to Observation. The standing of the student in Observation and in Practice-teaching shall be based upon his sessional records in the lessons following those which form part of the introductory courses.

CERTIFICATES

INTRAMURAL CANDIDATES

14. (1) A student who obtains 50% of the marks in each of the required subjects of Part I and 60% of the aggregate of the marks in each of the divisions of Part II, may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim High School Assistant's certificate, Type B.

(2) A student who passes in Part II and fails in not more than two of the required subjects of Part I, of which only one may be a course in methods of teaching, will be exempted from further attendance.

(3) All other students who have failed to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

EXTRAMURAL CANDIDATES

15. (1) (*a*) Candidates who are exempted from attendance at the Ontario College of Education, as provided in Section 15. (1) (c), may complete their standing for a certificate by re-writing, at an annual examination, the examination in the subject in which they failed.

(*b*) Candidates who failed at an examination under former Regulations and who were exempted from subsequent attendance at the Ontario College of Education shall take, not later than a date determined in each case by the Minister of Education, the final examination papers as prescribed herein but their standing shall be determined in the subjects as constituted under the regulations in force when they first wrote.

(*c*) Candidates who have been exempted by the Minister of Education from attendance at the Ontario College of Education because they hold Permanent First Class[1] certificates issued on the completion of a second session of attendance at a Provincial Teachers' College, or because they hold Permanent First Class[1] certificates and for at least the last two years of their teaching experience have been graded better than "Average" by the Inspectors on the Teachers' Record Cards, and who are required to write the final examinations of the Ontario College of Education shall present to the College, on or before February 1st[2] of the year in which they write the final examinations of the High School Assistants' course, Type B, evidence of graduation as required by Section 9. (1) (*e*)[3]; they shall take the prescribed final examinations in the subjects of Part I, and shall also satisfy the examiners that they are competent to teach efficiently the subjects of the High School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.[4]

(2) The pass standard for candidates exempt from attendance shall be the same as that for candidates in attendance, as per Section 14 (1),

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[1]Now called the Elementary-School Teacher's certificate.

[2]This applies to extramural candidates for any certificate listed in the calendar.

[3]From candidates exempted from attendance by the Minister, the College will accept in lieu of the actual certificate of graduation, an official statement from the candidate's university that the candidate has completed the work for the degree on or before February 1st of the year in which he presents himself to write the final examinations of the College, and that he will receive the degree at the next regular Convocation of his university.

[4]A candidate who has been exempted from attendance may, if he prefers, be admitted to the Summer Course [See Section 14 (4) (*a*)], provided that he has not written final examinations of the regular College session in May, 1959.

but no allowance shall be made for sessional work, if any, in the case of candidates not in attendance.

(3) (*a*) Candidates exempt from attendance at the Ontario College of Education under (1) (*c*) above or (4) (*a*) below shall take their practical tests in Part II at such times during the session as may be agreed upon with the examiners, but not later than May 1st. They shall take their examinations in the subjects of Part I at one annual examination at the close of the session on dates to be determined by the examiners.

(*b*) Candidates exempt from attendance may take their written examinations in Part I at the Ontario College of Education, Toronto, or at one of the Provincial Teachers' Colleges outside of Toronto or, in the case of candidates who live in Provincial Districts, at approved local centres where inspectors of schools are available as presiding officers.

(*c*) Candidates exempt from attendance shall take their practical tests at the Ontario College of Education, Toronto, or, in special cases, at local centres under the supervision of the visiting Provincial Inspector. The conditions that determine these cases may be learned from the Ontario College of Education on application at the beginning of the session. A candidate who has failed in the practical tests at the Ontario College of Education or under a Provincial Inspector shall not be admitted to a second practical test during the same College session.

(4) (*a*) Candidates who have fulfilled the requirements for admission to the High School Assistants' course, Type B, and (i) who hold Ontario First Class[1] certificates issued on the completion of one session of attendance at an Ontario Teachers' College and have had at least two years of successful teaching experience[2] in the Public, Separate, or Continuation Schools of Ontario, or (ii) who hold Permanent Second Class certificates issued on the completion of one session of attendance at an Ontario Teachers' College and have had at least six years of successful teaching experience in the Public or Separate Schools of Ontario, or (iii) who hold Permanent Second Class certificates issued on the completion of a second session of attendance at an Ontario Teachers' College, or (iv) who hold interim Vocational certificates and have had at least two years of successful teaching experience in the Vocational Schools of Ontario, shall be exempted from attendance at the Ontario College of Education but shall attend the summer course for a High School Assistant's certificate, Type B, and shall take the final examinations of the Summer course in the prescribed subjects of Part I. They shall also satisfy the examiners that they are competent to teach efficiently the subjects of the Secondary School courses *either* by undergoing practical tests *or* by submitting statements from Inspectors of Public, Separate, or Continuation Schools that they have taught successfully, for at least two years, Ontario school courses of a grade not lower than Grade V of the Public or Separate School courses.

[1]Now called the Elementary-School Teacher's Certificate.

[2]Service personnel may count one year of service for a year of teaching experience.

(*b*) A candidate who has been duly admitted to the Summer Session for the High School Assistant's certificate, Type B, who attends throughout the session, and who successfully passes the examinations at the close of the session, may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim High School Assistant's certificate, Type B. The recommendation, however, will be withheld until the candidate has satisfied the examiners as indicated in (4) (*a*) above that he is competent to teach efficiently the subjects of the High School courses.

(*c*) Candidates who have obtained Interim Vocational certificates by attendance at the Ontario Training College for Technical Teachers or the Ontario College of Education, and who in addition to the practice teaching lessons required for a Vocational certificate, have taught to the satisfaction of the staff of the Ontario College of Education, at least ten lessons in academic subjects (English, Mathematics and Science) shall be exempted from the practical test in teaching.

(*d*) Candidates who have attended the Summer Course or have been exempted from attendance under (1) (*c*) above, and who fail in one or more of the various tests prescribed for an Interim High School Assistant's certificate, Type B, may complete their standing for said certificate under the following conditions: (i) candidates who fail in the practical test in teaching shall be admitted to a second test in a subsequent College Session; (ii)[1] candidates who fail in more than one subject of Part I shall rewrite at one annual examination of the College Session the examinations in all prescribed subjects of Part I; (iii)[1] candidates who fail in not more than one subject of Part I may rewrite at an annual examination of the College Session, the examination in the subject in which they failed; (iv) candidates who do not pass the final examinations of the Summer Session will be required to take the final examinations of the regular College Session within three years of having attended a Summer Session in this course, or must re-attend the Summer Session in order to be eligible for

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[1]Sections 15(4)(*d*)(ii) and 15(4)(*d*)(iii) shall apply to all candidates attending summer sessions of 1959 and to those attending the special Five Weeks Summer Session of 1960. For candidates attending summer sessions of 1960, with the exception just noted, and subsequent summer sessions as may be provided, Regulation 15(4)(*d*)(ii) shall be revised to the following: "15(4)(*d*)(ii): Candidates who fail in more than two subjects of Part I shall re-write at one annual examination of the College Session the examinations in all prescribed subjects of Part I". And Regulation 15(4)(*d*)(iii) shall be revised to the following: "15(4)(*d*)(iii): Candidates who fail in not more than two subjects of Part I (of which only one may be a course in methods of teaching) may re-write at an annual examination of the College Session, the examination, or examinations, in the subject, or subjects, in which they failed."

admission to the examinations for an Interim High School Assistant's certificate, Type B.

(*e*) Other candidates who hold an Ontario First[1] or Second Class certificate with the academic standing required for admission to the High School Assistants' course, Type B, shall be exempted from attendance during the Autumn term[2]; but shall take all sessional tests held in the Winter and Spring terms and all the final examinations prescribed for Part I and shall also satisfy the examiners by practical tests that they are able to teach the subjects of the Secondary School courses.

LETTER OF STANDING

16. (1) Candidates who have fulfilled the requirements for admission to the Course leading to the Interim High School Assistant's certificate, Type B, and who are exempted by the Minister of Education from attendance at the Ontario College of Education on account of equivalent training in other provinces of Canada or in other countries of the British Commonwealth of Nations, may be granted a *Letter of Standing* by the Minister valid, for not more than one year from the date of issue, in a secondary school, or in Grades IX and X of an elementary school.

(*a*) Before being granted a *Letter of Standing* an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education.

(*b*) Before being granted a *Letter of Standing* an applicant must submit a certificate from a competent authority that he is a British subject or a Declaration of Intention to become a Canadian citizen.

(2) On the statement of the Principal that the candidate has taught successfully for one year under the authority of a *Letter of Standing*, he may be recommended by the Inspector concerned for the Interim High School Assistant's certificate, Type B.

COURSES FOR INTERIM HIGH SCHOOL ASSISTANTS' CERTIFICATES, TYPE A

CONDITIONS OF ADMISSION

17. (1) Applicants for admission to the courses for Interim High School Assistants' certificates, Type A, or to the final examinations for said certificates,[3] shall also be applicants for admission to the course for the Interim High School Assistant's certificate, Type B, or shall be applicants for admission to the examinations therefor without attendance throughout the session, or shall already hold High School Assistants' certificates. No candidate will be awarded an Interim High School Assistant's certificate, Type A, or receive credit towards said certificate *before* he has been awarded an Interim High School Assistant's certificate, Type B.[4]

[1]Now called the Elementary-School Teacher's certificate.

[2]Application for admission to the College at the beginning of the second term in January should be made not later than December 1st. Enrolment in January may be limited according to the available accommodation.

[3]See footnote 3, page 24. [4]See Section 1 (2).

(2) A candidate for an Interim High School Assistant's certificate, Type A, who is also a candidate for admission to the course for an Interim High School Assistant's certificate, Type B, shall comply with the conditions for admission prescribed for candidates for the Interim High School Assistant's certificate, Type B, and shall submit evidence of the required standing in the final or graduation courses approved by the Minister of Education.[1]

(3) The applicant whose standing is below 66% but not lower than 60% in these approved courses will be admitted to the final examinations leading to the Interim High School Assistant's Certificate, Type A, on submitting evidence from the Principal and High School Inspector of at least five years' teaching experience in the subject, or subjects, of his special field of study, at least two years of which must have been in Grades XII or XIII and graded above average, in a Secondary School of Ontario subsequent to obtaining the academic standing referred to above. The initial inquiry should be addressed to the Secretary of the Ontario College of Education.

COURSES[2]

18. (1) Courses shall be offered for Interim High School Assistants, certificates, Type A, in Agriculture, Classics, English, English and French, English and German, English and Latin, English and Spanish, English and History, Geography, History, French and German, French and Italian, French and Spanish, Latin and French, Latin and Greek, Mathematics, Mathematics and Physics, Science, Physics and Chemistry, Physics and Biology, Chemistry and Biology, Applied Sciences and Home Economics.

(2) Courses shall also be offered leading to Interim High School Assistants' certificates, Type A, in Physical Education, Art, Instrumental Music, and Vocal Music, under the conditions defined in Section 26.

(3) Each Type A course shall consist of at least the equivalent of two seminar-periods per week throughout the Session and of special Observation and Practice-teaching in the subjects in which the candidate is an applicant for a High School Assistant's certificate, Type A.

TEXT-BOOKS

19. Students in the courses for High School Assistants' certificates, Type A, shall supply themselves with such text-books as may be recommended by the instructors.

EXAMINATIONS

20. (1) Subject to the condition that no student may be awarded an Interim High School Assistant's certificate, Type A, who does not already hold or is not also awarded an Interim High School Assistant's certificate,

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[1]For information regarding the alternative plan for admission to Type A courses, communicate with the Secretary, Ontario College of Education.

[2]See footnotes 1, 2, 3, 4, 5 page 21.

Type B, the final standing of students in attendance in the High School Assistants' courses, Type A, shall be determined by the records of the Practice-teaching in the department or subject concerned, and by the combined results of the sessional records and the records of the final examinations in the same department or subject. The sessional records represent oral and written exercises, practical work, practice in preparing examination papers, and in valuing the answer-papers of pupils, and such term work as the instructors may prescribe. The records of the final examinations shall be based upon two examination papers taken in each department at the close of the session. The maximum marks represented in the Practice-teaching shall be 100; in the sessional records 40; and in the final written examinations of the department or subject 60.

(2) The final standing of students not in attendance shall be determined by the final written examinations and by teaching in the department concerned. For this purpose the maximum of marks in each case shall be 100.

CERTIFICATES

21. (1) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A, referred to in Section 18 to students in attendance who have fulfilled the conditions of the course for the Interim High School Assistant's certificate, Type B, and in their High School Assistants' course, Type A, have obtained (*a*) 66% of the aggregate of marks represented in the sessional records and the records of the final examinations and (*b*) 66% of the marks assigned to the Practice-teaching.

(2) On the recommendation of the examiners the Minister of Education may grant the Interim High School Assistants' certificates, Type A, of Section 18 (1) to students exempt from attendance who hold or are awarded High School Assistants' certificates, who are duly qualified for admission to a High School Assistants' course, Type A, and who obtain 66% of the marks assigned to the written examinations and to the Practice-teaching, respectively, in the High School Assistants' course, Type A, concerned.

(3) Students who are awarded Interim High School Assistants' certificates, Type A, in Home Economics under (1) and (2) above and who hold or obtain First[1] or Second Class certificates are qualified to teach in the Home Economics departments of Public and Separate Schools.

(4) (*a*) For students not in attendance the written examinations in the courses for Interim High School Assistants' certificates, Type A, of Section 18 (1) will be held at the close of the session at such centres and under such conditions as are set out in Section 15 (3).

(*b*) For students not in attendance the practical examinations shall be held at the Ontario College of Education, Toronto, or at local centres as prescribed in Section 15.

[1]Now called the Elementary-School Teacher's certificate.

SUPPLEMENTARY COURSES[1]

22. Students in attendance in the High School Assistants' course, Type B, may take also *one*[2] of the following Supplementary courses:

I. Course for the Elementary Physical Education certificate, Type A.

II. Course for the Elementary Art certificate.

III. Course for the Elementary Vocal Music certificate, Type A.

IV. Course for the Elementary Instrumental Music certificate, Type A.

V. Course for the Elementary Commercial certificate.[3]

VI. Course for the Elementary Industrial Arts certificate, Type A.[4]

VII. Course for the Elementary Certificate in Home Economics.

VIII. Course for the Intermediate Home Economics certificate.[5]

IX. Course for the Interim Elementary-School Teacher's certificate.[4]

Within one month of the beginning of the above Supplementary courses, the student shall satisfy the instructor of the Supplementary course he has chosen that he is adapted to the study of the course, or his registraton in the Supplementary course shall be cancelled.

23. (1) The subjects of supplementary courses I–IX shall be those set forth in Sections 52–63 and 31, respectively. Observation and Practice-teaching are obligatory in each of these supplementary courses.

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[1]Students taking the High School Assistants' courses, Type A in Physical Education, Art, Vocal Music, Instrumental Music, or Home Economics are responsible for the Elementary course, or in the case of Home Economics the Intermediate course, in these subjects and may not take a supplementary course in another field.

[2]Any student may, with the approval of the instructor, take the Elementary courses in both Vocal Music and Instrumental Music.

[3]A supplementary course for beginners in Bookkeeping, Shorthand, Typewriting, and Penmanship is open to any one not taking a Type A course who wishes to commence the study of these subjects with the intention of continuing in commercial education.

[4]The Supplementary courses leading to the Interim Elementary-School Teacher's certificate and to the Interim Elementary Type A certificate in Industrial Arts may not be completed in the regular College session, but require one subsequent Summer session before the candidates will be recommended for the certificates.

[5]Admission to this course is restricted to students who submit evidence of graduation, with a standing not lower than 60% in the Home Economics of the final year from a University course approved by the Minister of Education in which, for at least the last two years of the course, Home Economics has been a regular subject of study.

(2) Students in supplementary courses I–IX shall supply themselves with such text-books and equipment as may be recommended.

EXAMINATIONS OF SUPPLEMENTARY COURSES I–VIII[1]

24. (1) PHYSICAL EDUCATION:

Practical Tests:

FOR WOMEN: Fundamental Movements, Dance, General Activities, Games.

FOR MEN: Basic Drill, Gymnastics, Apparatus, Games, Swimming.

Fifty per cent of the marks in each of the practical tests shall be assigned to the sessional and fifty per cent to the final tests.

Written Examination:

Theory, Methods and Materials.

(2) ART:

Practical Tests:

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering.

Written Examinations:

Theory and History of Art, Methods of Teaching Art.

(3) VOCAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Voice Training and Song Material, Conducting.

Written Examinations:

Rudiments of Music, Music Appreciation, Methods.

(4) INSTRUMENTAL MUSIC:

Practical Tests:

Sight Singing and Ear Training, Technical Training, Conducting.

Written Examination:

Methods.

(5) COMMERCIAL SUBJECTS:

Practical Tests:

Shorthand Practice, Typewriting, Penmanship.

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[1]See Section 32 for Course IX.

Written Examinations:

Shorthand Theory, Bookkeeping, Methods.

(6) INDUSTRIAL ARTS:

Practical Tests:

Draughting, Woodworking, Sheet Metal Work, Machine Shop Practice.

Written Examination:

Methods of instruction and class organization of the General Shop.

(7) HOME ECONOMICS—ELEMENTARY COURSE:

Term Work:

Personal, family and social relationships; The home; Food and Nutrition; Clothing and textiles.

Written Examinations:

Theory and Methods, Grades IX and X, Parts I and II.

(8) HOME ECONOMICS—INTERMEDIATE COURSE:

Term Work:

Meal Management; Care of the Home and Family; Clothing—Selection, Construction and Care.

Written Examinations:

Theory and Methods. Parts I and II

CERTIFICATES FOR SUPPLEMENTARY COURSES I–VIII[1,2]

25. (1) On the recommendation of the examiners the Minister of Education may grant an Elementary certificate in Art or an Elementary Certificate in Home Economics or an Elementary Commercial certificate or an Elementary Type A certificate in Physical Education or Vocal Music or Instrumental Music or an Intermediate certificate in Home Economics, or standing in Part I of the course for the Elementary Type A certificate in Industrial Arts, as the case may be, to a student in the course for an Interim High School Assistant's certificate, Type B, provided that the said student is awarded an Interim High School Assistant's certificate, Type B, and obtains a minimum of 60% of the marks assigned to practice-teaching and (*a*) in Commercial subjects a minimum of 50% of the marks assigned

[1]The certificates which are mentioned herein are those valid for teaching in High Schools, i.e., in Physical Education, the Elementary Type A, and the Type A; in Vocal Music and Instrumental Music, the Elementary Type A, and the Type A; in Art, the Elementary and the Type A; in Industrial Arts, the Elementary Type A; in Home Economics, the Elementary and the Intermediate; and in Commercial Subjects, the Elementary.

[2]See Section 33 for Course IX.

to each subject, or (*b*) in Art or Physical Education or Industrial Arts or Vocal Music or Instrumental Music or Elementary Home Economics or Intermediate Home Economics a minimum of 60% of the marks assigned to each subject of the written examination and practical tests.

No student shall be recommended for a certificate or for standing in Art or Physical Education or Vocal Music or Instrumental Music or Industrial Arts or Home Economics or Commercial Subjects whose attendance or progress in any part of the course has been reported as unsatisfactory.

(2) The Dean shall investigate the claims of the candidates for the Elementary Type A certificate in Physical Education who report themselves as unable for physical reasons to take the course in swimming, provided that such claims are presented to the instructor on a form and after a manner defined by the Minister of Education. Candidates who are exempted by medical certificate from the course in swimming and candidates who have failed to obtain pass standing in the course in swimming may be awarded Elementary Type A Physical Education certificates endorsed "not including swimming".

(3) On the recommendation of the examiners, the Minister of Education may permit candidates in the supplementary courses I–VIII who have been awarded Interim High School Assistants' certificates, Type B, and have obtained a minimum of 60% of the marks assigned to practice-teaching but have failed to obtain standing in their respective courses to complete their standing in said courses under the following conditions:

(i) In Physical Education or Industrial Arts or Home Economics, candidates who fail in the written examination, but pass in all the subjects of the practical tests may complete their standing by passing in the written examination at a subsequent examination without further attendance; candidates who pass in the written examination but fail in one or more of the subjects of the practical tests may complete their standing by passing in the subjects concerned at a subsequent Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(ii) In Art or Vocal Music or Instrumental Music, candidates who fail in not more than two subjects of the written and practical tests may complete their standing by passing in the subjects concerned at a subsequent examination without further attendance, but in the subjects of the practical tests such candidates must try the tests conducted at the Summer Session under conditions to be determined by the Principal of the Summer School. All other candidates who fail shall repeat the course for standing.

(iii) In the Commercial course, candidates shall be allowed credit towards an Elementary certificate in the subject or subjects in which they are successful.

COURSES FOR THE HIGH SCHOOL ASSISTANTS' TYPE A CERTIFICATES IN PHYSICAL EDUCATION, ART, VOCAL MUSIC, AND INSTRUMENTAL MUSIC

26. (1) Admission to the High School Assistants' course, Type A, in Physical Education as well as the Elementary course in Physical Education will be granted to students (i) who hold the degree of Bachelor of Physical and Health Education of the University of Toronto with a final standing not lower than 60%, or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and who hold the degree of Bachelor of Physical and Health Education of Queen's University with a final standing not lower than 60%, or (iii) who hold the degree of Bachelor of Arts of the University of Western Ontario obtained in the honour course[1] in Physical Health and Recreation Education, with a final standing not lower than 60% or (iv) who hold the degree of Bachelor of Physical Education of McMaster University with a final standing not lower than 60%.

(2) Admission to the High School Assistants' course, Type A, in Art as well as the Elementary course in Art will be granted to students who hold the degree of Bachelor of Arts of the University of Toronto obtained in the honour course in Fine Art or in Art and Archaeology with a final standing not lower than 66%.

(3) Admission to the High School Assistants' course, Type A, in Vocal Music[2] will be granted to students (i) who hold either the degree of Bachelor of Arts of the University of Toronto obtained in the honour course in Music or the Bachelor of Music degree of the University of Toronto obtained in the course in Music Education,[3] with a standing of at least 60 per cent., or (ii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the degree of Bachelor of Music of the University of Toronto obtained in the course in General Music, or (iii) who are otherwise qualified to enter the High School Assistants' course, Type B, and hold the teacher's or performer's diploma of the Royal Conservatory of Music of Toronto, or the Special Music certificate of Queen's University, or the Associate (teacher's) diploma of the Western Ontario Conservatory of Music, or the Diploma of Music Graduate in Pedagogy of the University of Western Ontario.

Admission to the High School Assistants' Course, Type A, in Instrumental Music will be granted to students who hold the Bachelor of Music Degree of the University of Toronto obtained in the course in School Music [3]

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[1]Graduates of this course with the Recreation option are not eligible for the Type A course in Physical and Health Education.

[2]Students of the Type A course in Vocal Music may, with the approval of the instructor, take the Elementary course in Instrumental Music.

[3]This refers to the degree in the course in Music Education of the University of Toronto, introduced in 1946.

27. Students admitted to the High School Assistants' course, Type A, in Physical Education, Art, Vocal Music or Instrumental Music under Section 26 shall supply themselves with such text-books and equipment as may be recommended by the instructors.

CERTIFICATES

28. (1) On the recommendation of the examiners, the Minister of Education may grant High School Assistants' certificates, Type A, in Physical Education, Art, Vocal Music or Instrumental Music to those admitted under Section 26 who fulfil the conditions stated in Sections 20 and 21 (1).

(2) Students who are awarded Interim High School Assistants' certificates, Type A, in Physical Education, Art, Vocal Music or Instrumental Music under Section 26 and who hold, or obtain, Second or First Class[1] certificates may also be awarded Supervisors' certificates valid in Public and Separate Schools.

29. COURSE FOR THE INTERIM ELEMENTARY-SCHOOL TEACHER'S CERTIFICATE[2]

The course is conducted in accordance with the conditions prescribed in the Regulations, Examinations and Courses of Study of the Ontario Teachers' Colleges. It may not be completed in the regular College session but requires a subsequent Summer Session before the candidates will be recommended for the certificate.

CONDITIONS OF ADMISSION

30. (1) Applicants for admission to the course for the Interim Elementary-School Teacher's certificate or to the final examinations for said certificate shall comply with the conditions of admission and attendance prescribed for candidates for the Interim High School Assistant's certificate, Type B. No candidate will be awarded an Interim Elementary-School Teacher's certificate before he has been awarded an Interim High School Assistant's certificate, Type B.

TEXT-BOOKS

(2) The text-books for the academic work of the course shall be those prescribed in each subject for the High, Public and Separate Schools.

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[1]Now called the Elementary-School Teacher's certificate.
[2]Course IX as listed in Section 22.

PROGRAMME OF STUDIES

31. The course of training, which is supplementary to the course of training for the Interim High School Assistant's certificate, Type B, includes the following subjects some of which will be offered in the regular College session, the remainder in a Summer Session:

Part I: Educational Psychology; School Management; English, Part I; English, Part II; Mathematics; Social Studies; Science and Agriculture; Art; Music; Physical Education; Health; Industrial Arts.

In the development of the methodology of the course, emphasis shall be laid upon the correlation and integration of the subjects, and upon the importance of wholesome, vigorous, shared activities, directly connected with the learner's capacities and interests. The teacher's main function shall be represented as the stimulation and guidance of the learner, through the control of the regulating environment of the school; this postulates freedom and responsibility for the teacher and demands positive, definite teaching.

Part II: Observation and Practice-teaching—at least ten full days—to be conducted under conditions defined in Ontario Teachers' College courses for the Interim Elementary-School Teacher's certificate.

EXAMINATIONS

32. (1) Subject to the condition that no student may be awarded an Interim Elementary-School Teacher's certificate who is not also awarded an Interim High School Assistant's certificate, Type B, the final standing of the students in attendance in the course for an Interim Elementary-School Teacher's certificate shall be determined by the records of the Observation and Practice-teaching and by the combined results of the sessional records and the records of the final examinations in such course. Subject to the same condition, the final standing of candidates not in attendance shall be determined by the records of the final written examinations and of Practice-teaching.

(2) The examinations in the subjects of the course for an Interim Elementary-School Teacher's certificate shall be conducted, *pari passu*, in the terms and under the conditions set out in the Teachers' College Courses for the Interim Elementary-School Teacher's certificate.

CERTIFICATES

33. (1) (*a*) Subject to the conditions of Section 32 (1), and to the conditions defined in Ontario Teachers' College courses for the Interim Elementary-School Teacher's certificate, a candidate who obtains 60% of the marks in each subject of the course and 60% of the aggregate of the marks in each of Observation and Practice-teaching may, on the recommendation of the examiners, be awarded by the Minister of Education an Interim Elementary-School Teacher's certificate.

(*b*) Subject to the same conditions, a candidate who passes in Observation and Practice-teaching and fails in not more than two subjects shall be exempted from further attendance and may complete his course for an Interim Elementary-School Teacher's certificate by rewriting at one annual examination the examinations in the subject or subjects in which he failed.

(2) All candidates other than those referred to in (1) (*b*) above who have failed to obtain the necessary final standing will be required to attend such other sessions as the Minister may prescribe.

(3) Section 15 (1) (*a*), (*b*), (2) and (3) (*b*), which apply to the candidates for the Interim High School Assistant's certificate, Type B, who are exempt from attendance, shall apply also, *pari passu*, to candidates for the Interim Elementary-School Teacher's certificate who are exempt from attendance.

(4) The Regulations of the Department of Education respecting Permanent Elementary-School Teachers' certificates are contained in the Department's Circular 614(*a*).

DETAILS OF SUBJECTS

34. The details of the subjects of the courses for Interim High School Assistants' certificates, Types A and B, for Elementary certificates in Physical Education, for Elementary certificates in Art, for Elementary certificates in Instrumental Music and Vocal Music, for Elementary certificates in Home Economics, for Intermediate certificates in Home Economics, and for standing in Elementary Industrial Arts, are set out below.

For the course for the Interim Elementary-School Teachers' certificate these details and subjects shall be supplemented by the details and subjects set out in the Teachers' College courses for the Interim Elementary-School Teachers' certificate.

HISTORY AND PHILOSOPHY OF EDUCATION

35. The nature, foundations and status of Educational Theory: historical review and consideration of purposes and aims of education.

The significance for modern educational thought and practice, of broadly distinctive schools of philosophy: survey of the values and practices emphasized by outstanding educationists, particularly, but not exclusively, of the last two centuries.

Current educational thought: contemporary aims, problems and practices in education, with particular reference to secondary education.

School and society: relationship of school to the home and other educational agencies in the community.

EDUCATIONAL PSYCHOLOGY

36. (1) *The psychology of adolescence.*—The place of the adolescent in our culture; his physical, social, emotional, and intellectual growth; formal and informal means of assessing individual development in these areas; adapting schooling to individual differences.

(2) *The psychology of learning.*—Introduction to the learning process; motivation including the nature of goals, classroom motivation, various patterns of teacher-leadership, classroom discipline; factors affecting the learning of concepts and principles; identification and the learning of attitudes; practice and the learning of skills; transfer of training; the rate of learning and forgetting; evaluation of educational progress.

(3) *The psychology of personality.*—Adjustment to frustration; personality structure and character formation; the mental health of teacher and pupils.

(4) *Guidance.*—Basic principles and current practices in guidance.

SCHOOL MANAGEMENT AND LAW

37. School Management, School Organization, School Administration; aims and scope of each; relation of each to the teaching process.

The Ontario school system: Department of Education, and its organization and functions; local administrative units; school boards, their selection, organization and functions; types of schools; school finance and business administration; relation to other public services.

The High School plant: provision, maintenance, care and use; special accommodations; relation to community activities.

The High School curriculum: aim, structure and use; texts; extra-curricular activities.

The High School pupil: attendance, rights, duties, guidance.

The High School teacher: professional status; personal qualifications; training and certification; appointment, tenure, payment, superannuation; duties in relation to trustees, parents and other citizens; duties in relation to supervisors, colleagues and pupils; freedom and responsibility.

High School organization: admission, exclusion, classification, grading, promotion, tests of progress, records and reports, recommendations, staff-meetings, time-tables, supervised study, homework.

Supervision: inspectors, principals, heads of departments; their powers and duties.

Discipline: aim and scope; relation to methods of teaching; incentives; causes of disorder and inattention; methods of dealing with weaknesses and delinquencies.

School Law and Regulations: Public Health Acts and Regulations in so far as they refer to the duties of school boards, teachers and pupils.

ENGLISH

38. (1) *Literature.*—The values inherent in the study of good literature on a High School level; the methods of presenting such literary forms as the poem, the drama, the essay, the short story, and the novel; the choosing of suitable textbooks for pupils of different abilities and grades; planning the courses of study for Grades IX to XII; the setting and marking of examination papers; oral and supplementary reading.

(2) *Composition.*—The basic aim in teaching composition; the place and treatment of grammar, rhetoric, logic, syntax, and word study in the teaching of composition; principles to be followed in arranging the courses for Grades IX to XII; studying models; assigning, planning, valuing, and correcting compositions; improving the pupils' oral English; conducting class discussions.

SEMINAR IN ENGLISH

For Type A candidates in English and, in part, English and French, English and Latin, English and German, English and Spanish, and English and History.

39. Methods of presenting the work prescribed for study in Grade XIII during the current year; teaching and discussion of selected topics; the English specialist.

GEOGRAPHY AND HISTORY

40. Place and objectives of Geography and History in the secondary school curriculum; nature of Geography and History as subjects; course of study in the Intermediate and Senior Divisions in Ontario; demonstration and discussion of teaching procedures: planning a course of study; standards and examinations; books and other equipment.

41. SEMINARS IN GEOGRAPHY AND IN HISTORY.

For Type A candidates in Geography and in History.

Teaching and discussion of selected topics from the courses of study in the Senior Division; the role of the specialist teacher.

MATHEMATICS

42. A consideration of:

(*a*) the courses of study, Grade IX to Grade XII,

(*b*) methods of presenting topics in the various courses with special emphasis on the work of the earlier grades,

(*c*) measurement and computation with approximate numbers,

(*d*) the use of mathematical models and devices to provide motivation and to illustrate applications of the work in Mathematics.

SEMINAR IN MATHEMATICS

For Type A Candidates in Mathematics and, in part, Mathematics and Physics.

43. Methods of presenting prescribed Grade XIII topics in Trigonometry and Statics, Analytic Geometry and Senior Algebra. The analysis of some of the more difficult problems in Grade XII Geometry is also considered. In Statics, an experimental treatment of the work, as well as problem solving, is emphasized. Consideration is given to examinations in Mathematics, the teaching of the more mature or gifted pupils, historical references, mathematical models and equipment.

SCIENCE

44. *General Science.*—The content and methodology of the courses for Grades IX and X. Emphasis on the use of living specimens in the teaching of biology; other visual aids such as preserved specimens, diagrams, charts, models, photographs, lantern slides, films, microprojectors; laboratory classes; demonstration experiments; pupils' reports; classroom discussion in relation to experimental work.

Physics and Chemistry.—The content and methodology of the prescribed courses for Grades XI and XII. Methods of conducting laboratory classes; demonstration experiments; the care and use of equipment; development (inductively) of the laws of physics and chemistry.

SEMINAR IN SCIENCE

For Type A candidates in Science *or* Physics and Chemistry *or* Physics and Biology *or* Chemistry and Biology and, in part, Mathematics and Physics.

45. Methods of presenting the topics prescribed for study in Grade XIII physics, chemistry, and biology during the current year. The purchase, storing, maintenance and repair of apparatus; the organization of the science programme; science clubs; the keeping of living animals and plants. The seminars in each of physics, chemistry and biology are conducted separately.

SEMINAR IN AGRICULTURE

For Type A Candidates in Agriculture[1]

46. The History of agricultural education in the United States and Canada and particularly in Ontario: developments prior to 1904; developments since 1904; the influence of Departmental regulations, the Ontario Agricultural College, Summer Courses and various organizations in the

[1]Candidates for the High School Assistant's certificate, Type A, in Agriculture shall take also the Science of the course for the High School Assistant's certificate, Type B.

development of agricultural education; the present regulations of the Department of Education and their relation to the teaching of Agriculture in the elementary and secondary schools and Teachers' Colleges; qualifications of teachers; relations of school boards and teachers; provisions for inspection and reports; elective courses, and vocational agricultural courses in secondary schools.

Equipment and methods; special equipment needed for agricultural topics; arrangement of laboratory and classroom; storage and care of apparatus; preparation of illustrative material and charts; the projection lantern; the moving picture machine; agricultural periodicals, reference books and other sources of information; the school garden, planning and care; beautification of school grounds; home projects and collections; planning of courses; types of lessons; use of illustrative material; correlation of the science subjects in courses in agriculture.

CLASSICS (LATIN AND GREEK)

47. An examination of methods in various aspects of the teaching of Latin and Greek, including: oral reading of prose (Caesar, Livy, Nepos) and poetry (Vergil, Ovid); morphology; grammar and syntax; derivation; audio-visual aids and interest devices; historical background of prescribed authors.

SEMINAR IN CLASSICS

For Type A Candidates in Classics, Latin and Greek, and, in part, Latin and French, and English and Latin.

48. An examination of methods applicable to the prescribed courses in Grade XIII Latin and Greek authors for the current year, involving a study of adequate translation and of literary appreciation of the prescribed passages; the philosophy of Horace; the Hexameter, Elegaic, Sapphic and Alcaic metres; Latin continuous prose composition.

FRENCH, GERMAN, SPANISH OR ITALIAN

49. Pronunciation: Study of sounds and their spelling; phonetic symbols; devices for teaching; intonation exercises; dictation; singing.

Course of Studies in Grades IX and X: Introductory lessons, including conversational work for beginners; reading for comprehension; vocabulary building; conversation based on reading; paraphrasing; dictation; functional grammar, stressing the verb and pronoun.

Course of Studies in Grades XI and XII: Methods of conducting reading; increased emphasis placed on writing; grammar; translation from English into the foreign language; supplementary reading; testing.

Illustration of methods in typical lessons.

The course will stress oral practice in the foreign language.

SEMINAR IN MODERN LANGUAGES

For Type A Candidates in French and German *or* Spanish *or* Italian, and in part, Latin and French, English and French *or* German *or* Spanish.

50. In the seminar in Modern Languages, stress will be laid upon methods of presenting the work to be studied in Grade XIII during the current year.

Topics treated will include: Teaching of advanced grammar and prose composition; correction of written work; conducting of reading lessons; sight reading; supplementary reading; free composition; conversation; making of examinations; use of dictionaries and books of reference.

SEMINAR IN HOME ECONOMICS

(For Type A Candidates)

51. The development of Home Economics in Ontario schools. Present trends, values and aims.

Responsibilities of the home economics teacher for curricular and extra-curricular programmes.

Curricula: materials, procedures, content.

Teaching methods and techniques currently applied in this field.

Evaluation: objectives and materials.

The home economics classroom: selection, placement and care of furnishings and equipment.

Records, budgets, regulations.

The above topics will be presented, explored, discussed and demonstrated in regular seminars and accompanying demonstration classes.

PHYSICAL EDUCATION

52. This course is outlined in the Courses of Study for Grades IX-XIII issued by the Ontario Department of Education.

COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Theory, Methods and Materials in Health and Physical Education for Grades IX and X.

Practice (for men):

(*a*) Basic Drill; (*b*) Gymnastics; (*c*) Apparatus; (*d*) Games; (*e*) Swimming.

Practice (for women):

(*a*) Fundamental Movements; (*b*) Dance; (*c*) General Activities; (*d*) Games.

SEMINAR IN PHYSICAL EDUCATION

For High School Assistants', Type A Candidates

53. (1) *Physical Education*:

(*a*) Material:

Survey of Material for Grades IX–XIII

Women—Fundamental movements, general activities, dance, games, swimming

Men—Basic drill, gymnastics, apparatus, games, swimming

(*b*) Theory:

(i) Aims, objectives, principles; (ii) Teaching techniques; (iii) Lesson planning; (iv) Programme planning; (v) Evaluation—testing and marking; (vi) Administration of the physical education department.

(2) *Health Education*:

(*a*) Material:

Survey of material for Grades IX–XII

Health practices related to anatomy and physiology;

Body mechanics, first aid, safety

Healthful living, child study (women)

(*b*) Theory:

(i) Aims, objectives; (ii) Teaching techniques; (iii) Lesson planning; (iv) Use of visual aids, textbooks, references, notebooks; (v) Programme planning; (vi) Evaluation.

ART

54. COURSE FOR THE ELEMENTARY CERTIFICATE

Creative Pictorial Expression, Drawing and Sketching from Objects, Plastic Design, Model-making, Design and Lettering, Theory and History of Art, Methods of Teaching Art.

SEMINAR IN ART

For High School Assistants', Type A Candidates

55. The seminar in Art will discuss classroom methods and problems relating to the advanced grades. Special emphasis will be given to (*a*) the securing, organizing and use of illustrative source material, such as slides, prints and exhibitions which can be used to interpret and intensify the study of art history and art criticism; (*b*) a more advanced study of the theory, history and practice of art.

VOCAL MUSIC

56. COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

The tonic solfa system; sight reading of songs based on the theory for Grades IX and X; singing of major and minor scales (all forms); writing of simple exercises from dictation; detection of errors in the performance of unison songs.

Voice Training and Song Material:

The adolescent voice; choral singing; practice in tone production, intonation, diction, and breath control; blending of voices in part singing; interpretation; analysis of song material for Grades IX and X.

Conducting:

The conducting patterns of common metres; special problems: attack and release, incomplete bars, expression, use of the left hand.

Rudiments of Music:

Notation (notes, rests, clefs); intervals and their inversion; metre and rhythm; scales (diatonic and chromatic); transposition; musical terms, abbreviations and ornaments.

Music Appreciation:

Teaching of the topics prescribed for Grades IX and X in the Department of Education Course of Study.

Methods:

General principles of music education; analysis of the course for Grades IX and X; voice testing; teaching of rote songs, reading songs, part songs and theory; use of the piano; integration of music with other subjects; the relation of the school orchestra to the vocal programme; elementary scoring and transposition for instruments.

INSTRUMENTAL MUSIC

57. COURSE FOR THE ELEMENTARY TYPE A CERTIFICATE

Sight Singing and Ear Training:

As in Section 56 above.

Technical Training:

Fundamentals of tone production and basic fingering in all families of instruments; playing scales, diatonic and chromatic; simple melodies; reading orchestral scores of elementary range; construction and care of all types of instruments.

Conducting:

The conducting patterns of common metres; special problems of conducting in instrumental groups.

Methods:

General principles of organization and instruction of instrumental classes; special methods of class teaching for strings, band classes, or combined groups.

NOTE: This is a practical course, with the emphasis laid on two essential points, (i) individual mastery of instruments;
(ii) methods of class teaching.

SEMINAR IN VOCAL MUSIC

For High School Assistants', Type A Candidates

58. *Sight Singing and Ear Training:*

Sight reading of songs based on the theory prescribed for Grade XIII; extraneous modulation; singing of major scales from any note in the scale to its octave; singing of intervals contained in the major and minor scales (all forms); writing of exercises in two parts from dictation; recognition of chords listed below for harmony; detection of errors in the performance of more advanced part songs.

Voice Training and Song Material:

Advanced study of topics listed in the Elementary Type A Course through choral works; unaccompanied singing; modern theories of voice training; the teaching of special classes in voice training; selection of song, choral and operatic material for Grade XIII classes, public performances and festivals.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems; changes of time signature, contrapuntal works, special effects, etc.

Operetta:

The detailed study and preparation of an operetta for public performance.

Music Appreciation:

Teaching of the topics prescribed for Grade XIII; the analysis of selected compositions with special attention to the prescribed works for Grade XIII; use of miniature scores; supplemental reading; evaluation of recordings for school use; use of radio in music appreciation.

Methods:

Modern theories of music education; with application to all the topics listed in the prescribed course for Grade XIII.

SEMINAR IN INSTRUMENTAL MUSIC

For High School Assistants', Type A Candidates

59. *Sight Singing and Ear Training:*

As in Section 58 above.

The Orchestra and Band:

Orchestral playing, organization and conducting; selection of music for Grades IX to XIII class study, for orchestras and bands of Secondary School calibre, and for public performance and festivals.

Conducting:

Practice in conducting school choirs, assemblies and operettas: advanced problems.

Arranging:

Transcription and arranging of selections from piano score for full orchestra or band; transposition for all instruments.

Methods:

Advanced study of topics listed in the Elementary Type A course.

Class instruction of instrumental classes, beginners and advanced classes, with all types of instruments.

60. COURSE FOR THE ELEMENTARY COMMERCIAL CERTIFICATE

(1) Shorthand Theory:

The principles of the Isaac Pitman system; writing continuous matter in approved shorthand forms; transcribing sight passages in continuous shorthand.

(2) Shorthand Practice:

Writing from dictation for ten minutes, in approved Pitman Shorthand, easy material at the rate of sixty words per minute; transcribing of these notes on a typewriter.

(3) Typewriting:

(*a*) Typing for ten minutes at a net rate of thirty words per minute with 1% error or less.

(*b*) Application of typewriting to simple problems in setting up business letters, headings, programmes, invitations, announcements, display work, tabular work.

(4) Bookkeeping:

The study of the various aspects of the fundamental equation, including journalizing, posting and the setting up of the financial statements in trading and non-trading organizations.

(5) Penmanship:

The development of a graceful, legible business writing.

(6) Methods—Minor:

(*a*) Methods of teaching Bookkeeping: instructional material; testing programme; presenting special topics; text books; outlining courses; grading papers.

(*b*) Methods of teaching junior Shorthand and Typewriting:

(i) First year in Shorthand: organization of classes and materials; content of course; division of time for various sections of the work; various methods of approach; testing; the place of theory in junior classes; how and when to introduce transcription.

(ii) First two years in Typewriting: typing room, equipment and supplies; class organization; teacher's preparation; application of general principles to the teaching of typing technique; analysis and prevention of errors; speed development; tests and how to mark them.

61. COURSE FOR THE ELEMENTARY INDUSTRIAL ARTS CERTIFICATE, TYPE A

This course may not be completed in the regular College session but requires a subsequent Summer session before the candidates will be recommended for the certificate.

Draughting: Orthographic projection problems; isometric drawing of rectangular, circular and cylindrical figures; sketching oblique views, geometric drawing; tracing and blue printing.

Woodworking: Nature, structure and characteristics of common woods; the selection and suitability of woods for various purposes; seasoning, defects and grading lumber; cutting out operations, planing, squaring, chiselling and paring; uses of various fastening materials; construction of common joints; various methods of wood finishing and care of brushes; use and care of band saw, variety saw, jig saw and jointer; the wood turning lathe, with elementary turning of single spindle and face plate work; sharpening and care of woodworking tools.

Sheet Metal Work: Laying out patterns, cutting, bending, soldering and rivetting of tin plate and galvanized iron; etching, hammering, planishing and polishing of brass and copper.

Machine Shop Practice: Hand tools and bench work; layout work and elementary machine operations.

Methods of instruction and class organization of the General Shop

62. COURSE FOR THE ELEMENTARY CERTIFICATE IN HOME ECONOMICS

Principles underlying topics suggested for Grades IX and X, INTERMEDIATE DIVISION. Outline of Course for Experimental Use, 1951, Ontario Department of Education.

Typical classroom procedures.

Acquaintance with suitable source materials.

Contribution of home economics to the school, home, and community.

63. COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

The home economics curriculum: materials, procedures, content.

Fundamental principles, practices, and standards in home and family living.

Problems of organization; methods of teaching; aids to learning; home and classroom equipment. Departmental regulations. Guidance in classroom teaching.

64. SUMMER COURSE FOR THE INTERMEDIATE CERTIFICATE IN HOME ECONOMICS

See Section 81 (2).

65. DICTION AND VOICE PRODUCTION

Students will be given practice in effective reading, speaking, and writing.

66. COURSES FOR CERTIFICATES IN VOCATIONAL EDUCATION AND INDUSTRIAL ARTS

The Ontario Training College for Technical Teachers, which was established in Hamilton in 1925, has been re-organized as a department of the Ontario College of Education, Toronto, as of September 1, 1946.

I. Courses for the Interim Vocational certificates, Type B and Type A.

II. Courses for Industrial Arts certificates:

1. The Interim Intermediate certificate.
2. The Interim Specialist certificate.

67. GENERAL CONDITIONS OF ADMISSION

(1) An applicant for admission to the courses referred to above shall make application, not later than August 31st, to the Director of Vocational Training and Industrial Arts Teacher Education, 371 Bloor Street West, Toronto 5, on a form to be obtained from him, and shall submit with this application, on forms also to be supplied by the Director:

(a) A certificate from the Deputy Registrar-General of Births, Parliament Buildings, Toronto, or an affidavit by one of the parents or other relative, or other person cognizant of the applicant's date of birth.

Age limits:

For the Interim Vocational course, male applicants shall be not less than twenty-three and not more than thirty-five years of age; female applicants shall be not less than twenty-one and not more than thirty-two years of age.

For the Intermediate Industrial Arts course, applicants shall be at least twenty years of age.

For the Specialist Industrial Arts course, applicants shall be not less than twenty-three and not more than thirty-five years of age.

(b) A certificate from a competent authority that he is a British subject or a Declaration of Intention to become a Canadian citizen.[1]

(c) A certificate from a clergyman or other competent authority that he is of good moral character.

(d) A certificate of successful vaccination.

(2) Before the final admission, and provided that the applicant is not already the holder of a Teacher's certificate, an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister.

Candidates shall present themselves for the first part of the medical examination at the Ontario College of Education at 9 a.m. on September 22nd, and shall hold themselves in readiness to appear for subsequent further examination as required. Students are required to be in continuous attendance at the College during the period of the medical examination, September 22nd to 26th.

(3) In the event of rejection of an applicant in consequence of the medical examination and providing that the place of residence is in Ontario, the fee will be refunded and the actual cost of transportation from the Ontario College of Education to the applicant's home will be paid by the College.

68. COURSE FOR INTERIM VOCATIONAL CERTIFICATE, TYPE B

REQUIREMENTS FOR ADMISSION

To this course may be admitted Applied Science graduates (engineers) and skilled tradesmen.

(1) Engineers. A candidate shall be the holder of a degree from the faculty of Applied Science of a recognized university, and shall submit statements to prove not less than two years' subsequent experience in the field of his major subject.

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[1]This is in accordance with a Departmental requirement. See the Department of Education Act 11, (1) (c).

(2) Skilled Tradesmen, who are not engineering graduates.

(*a*) Education.

Applicants are required to give evidence of secondary school graduation or the equivalent.

(*b*) Trade Training and Experience.

(i) The training or apprenticeship required shall be that usually demanded for journeyman's qualifications in the trade concerned. Special training obtained in an approved day vocational school will be taken into account in considering the period of training. Applicants should submit statements from the persons or firms under whom they were trained, showing the length of the training period and the nature of the work.

(ii) The experience required shall be several years of wage-earning journeyman trade experience with approved high-grade firms, and shall be such as to show that the applicant is a skilled craftsman, competent in the main branches of the trade, and familiar with its recent developments. The length of the journeyman experience depends upon the nature of the trade. Documentary evidence of experience in the trade in approved shops shall be furnished by the applicant.

69. COURSE FOR INTERIM VOCATIONAL CERTIFICATE, TYPE A

REQUIREMENTS FOR ADMISSION

(1) This course is offered to Applied Science graduates (engineers) who have been graded 66% or higher in their final year and one other year at the university.

(2) Each candidate shall

(*a*) submit evidence of not less than two years of approved wage-earning experience in the field of his major subject,

(*b*) be required to take all the subjects of the course for Type B certificate, and to obtain grading of 66% or more in them,

(*c*) take additional courses in the organization, administration, and supervision of vocational schools, with special reference to the duties and responsibilities of the shop, technical or industrial directors, assistant principals and principals.

If his grading in the Type B course (see (2) (*b*)) is not a failure but is less than 66%, he will be recommended for a Type B certificate only.

70. PROGRAMME OF STUDIES

The course of training for the Interim Vocational certificate, Type B, consists of two parts:

Part I: Educational Psychology
School Law and Regulations
English
History of Vocational Education
Principles of Teaching and Classroom Management
Technical Subjects: 1. trade analysis,
2. shop plan,
3. equipment list,
4. yearly budget,
5. course of study.

Part II: Observation and Practice-teaching.

71. ORGANIZATION OF COURSE

(1) Every applicant shall be required to pass an examination designed to test his attainments as a skilled worker in the trade concerned. The examination shall be on the fundamental principles, operations, processes and skills of the trade, and shall be in two parts (1) written, (2) practical. In the practical examination he shall be required to show his skill in a performance test.

(2) In general, the course is built upon the experiences of the student-teachers in the practice schools. Observation is stressed during the early part of the session. Individual and group instruction will be increased until, in the final two weeks, the student-teacher will take charge of the class with no assistance from the teacher.

(3) During alternate weeks in the College, in addition to the programme of studies, the student-teacher is given an assignment to cover his duties in the practice school for the following week. A corresponding bulletin is mailed to the teacher, who reports on the progress of the student at the completion of each week of Practice-teaching.

(4) Where possible, student-teachers are sent at first to vocational departments in the smaller composite schools and later to technical schools in the larger centres. The Director and his staff visit the practice schools from time to time to assist in evaluating the students' work.

72. DETAILS OF SUBJECTS

The details of the subjects of the course for the Interim Vocational certificate, Type B, are set out below.

EDUCATIONAL PSYCHOLOGY

(*a*) Psychology:

An introduction to principles of educational psychology as they apply to the teacher and his pupils. Among topics discussed will be the following:

motivation, development and adjustment, school discipline, intelligence and its measurement, the learning process, mental hygiene.

(*b*) Guidance: basic principles and current practices in guidance.

SCHOOL LAW AND REGULATIONS

School Management, School Organization, School Administration; aims and scope of each; relation of each to the teaching process.

The Ontario school system: Department of Education, and its organization and functions; local administrative units; school boards, their selection, organization and functions; types of schools; school finance and business administration; relation to other public services.

The Vocational School plant: provision, maintenance, care and use; special accommodations, relation to community activities.

The Vocational School curriculum: aim, structure and use; texts; extra-curricular activities.

The Vocational School pupil: attendance, rights, duties, guidance.

The Vocational School teacher: professional status; personal qualifications; training and certification; appointment, tenure, payment, superannuation; duties in relation to trustees, parents and other citizens; duties in relation to supervisors, colleagues and pupils; freedom and responsibility.

Vocational School organization: admission, exclusion, classification, grading, promotion, tests of progress, records and reports, recommendations, staff-meetings, time-tables, supervised study, homework.

Supervision: inspectors, principals, heads of departments; their powers and duties.

Discipline: aim and scope; relation to methods of teaching; incentives; causes of disorder and inattention; methods of dealing with weaknesses and delinquencies.

School Law and Regulations: Public Health Acts and Regulations in so far as they refer to the duties of school boards, teachers and pupils.

ENGLISH

English—both oral and written—a brief review of the main essentials of grammar and composition to enable the shop teacher to avoid the more common errors in the use of words.

HISTORY OF VOCATIONAL EDUCATION

Brief historical sketch to show vocational aspects of educational developments; contributions of the educational reformers, Comenius, Locke, Rousseau, Pestalozzi, Fellenberg, Herbart, Froebel, Spencer; relation of industrial developments to the need for industrial education; development of secondary education, of vocational education; the manual training

movement, the mechanics' institute, the farm and trade school, industrial and technical schools, trade schools; part-time, co-operative and apprenticeship classes; the Ontario educational system.

PRINCIPLES OF TEACHING AND CLASSROOM MANAGEMENT

Learning process as applied to practical subjects; formal lesson types; individual differences; individual and group instruction; lesson planning; instruction aid material—sheets, pictures, charts, films, models; organization of instruction material; tests and examinations; records; special shop problems.

TECHNICAL SUBJECTS

(a) Trade Analysis and Course of Study:

Study of the work of the skilled craftsman to determine the teachable content of each trade or calling. Analysis of the trade to determine the skill, and the trade, technical and concomitant knowledges of the skilled worker; selection of instructional materials and arrangement into groups according to learning difficulties; selection of projects to be used to fit the order of the course of study; determination of related mathematics, science, drawing and auxiliary information needed in each project, preparation of course of study; unit courses.

(*b*) Shops Plan, Equipment List, and Annual Budget:

Study of desirable features of shops and classrooms, size, shape, lighting, lay-out; preparation of minimum, and desirable, lists of equipment for the type of shop in which the teacher-in-training will work; design of benches, tables, furniture, selection of tools and machines; approximate prices; preparation of annual budget.

73. COURSES FOR INDUSTRIAL ARTS CERTIFICATES[1]

COURSE FOR THE INTERIM INTERMEDIATE CERTIFICATE

This is a two-year course to provide training for those who contemplate the teaching of Industrial Arts in Public, Separate, Continuation and High Schools. Applicants admitted under condition (*a*) below shall be exempted from attendance during one year of the course.[2]

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[1]The Dean reserves the right to limit the total enrolment of Intermediate and Specialist candidates to twenty-five.

[2]Every teacher of Industrial Arts in an Elementary School must hold an Elementary-School Teacher's Certificate, in addition to his Industrial Arts Certificate.

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall submit:

(*a*) An Ontario Teaching certificate;

(*b*) Either an Elementary Manual Training certificate, or a statement indicating successful completion of Part 1 of the Elementary course in Industrial Arts.

74. PROGRAMME OF STUDIES

The course of training for the Intermediate certificate in Industrial Arts consists of two parts as follows:

Part I: Activity Analysis and Course of Study
Shop Work
History of Industrial Arts Education
Guidance

Part II: Observation and Practice-teaching.

Each student is given at least three weeks in a practice school. His teaching progresses from individual and group instruction to complete charge of routine duties and class instruction. If possible, he is sent to the general shop in (a) a public school, (b) a continuation or high school, and (c) a collegiate institute.

75. DETAILS OF SUBJECTS

ACTIVITY ANALYSIS AND COURSE OF STUDY

See Technical Subjects in Section 70.

SHOP WORK

The present set-up consists of (a) Metal work, (b) Woodwork and Crafts. Each shop is organized on the general shop plan. At least four activities are being conducted in each shop. Metal work includes such activities as forge and vise work, sheet metal, welding, machine shop, and machinery principles. Woodwork and Crafts include drafting, woodwork (both hand and machine processes), building construction, practical electricity, furniture finishing, leather work, art metal work, and plastics.

HISTORY OF INDUSTRIAL ARTS

See History of Vocational Education in Section 72.

GUIDANCE

Basic principles and current practices in guidance.

76. COURSE FOR THE INTERIM SPECIALIST CERTIFICATE[1]

This course is to provide training for those who contemplate teaching Industrial Arts in collegiate institutes.

ADDITIONAL CONDITIONS OF ADMISSION

An applicant shall:

(*a*) Hold an Intermediate certificate in Industrial Arts;

(*b*) Subsequently, have at least one year of successful teaching in the field of Industrial Arts, as verified by the inspector concerned;

(*c*) Show evidence of having passed not less than eight Grade XIII papers, including one in English. It is recommended that the candidate include papers in Mathematics and Science as these subjects are essential to progress in Industrial Arts.

77. PROGRAMME OF STUDIES

The course of training for the Specialist certificate in Industrial Arts consists of two parts as follows:

Part I. Activity Analysis, Course of Study and Shop Management Advanced Shop Work

Part II. Observation and Practice-teaching.

COURSES FOR CERTIFICATES IN VOCATIONAL EDUCATION AND IN INDUSTRIAL ARTS

78. EXAMINATIONS AND CERTIFICATES

(1) The final standing of students in attendance in the course for the Interim Vocational Certificate, Type B, or the courses for the Interim Intermediate and Specialist Certificates in Industrial Arts shall be determined by the combined results of the sessional records and the records of the final examinations of Part I and by the results of the records of the Observation and Practice-teaching of Part II, of the course concerned.

(2) The sessional records in each course represent oral and written exercises, practical work, research and frequent tests; and at the close of each term there will be a set of examinations.

(3) A candidate shall pass in each of the subjects listed in the Programme of Studies of the course concerned. The pass standard shall be 50% of the marks assigned to each subject of Part I and 60% of the aggregate of the marks assigned to each of the divisions of Part II. A candidate for the Interim Intermediate Industrial Arts certificate or the Interim Specialist Industrial Arts certificate must pass a performance test before a certificate is issued.[2]

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[1]This certificate may be obtained also in summer courses. See Section 82.

[2]A candidate for the Interim Vocational certificate, either Type B or Type A, must obtain a minimum of 50% in the Trade test.

(4) (*a*) A candidate for the Interim Vocational certificate, Type B, who passes in Part II and fails in not more than two subjects of Part I shall be exempted from further attendance.

(*b*) A candidate for the Interim Intermediate certificate in Industrial Arts who passes in Part II and fails in not more than two sections of Shop Work *or* one other subject of Part I shall be exempted from further attendance.

(*c*) A candidate for the Interim Specialist certificate in Industrial Arts who passes in Part II and fails in not more than two sections of Advanced Shop Work of Part I shall be exempted from further attendance.

(*d*) All other candidates who fail to obtain the necessary final standing shall be required to attend another session, beginning after the Christmas vacation.

(*e*) A candidate exempted from attendance, as provided in (*a*), (*b*) or (*c*) above, may complete his standing for a certificate by rewriting at an annual examination the examination in the subject in which he failed. Examinations will be held at the close of the session at such centres and under such conditions as are set out in Section 15 (3) (*b*).

79. GRADES OF CERTIFICATES

(1) An Interim Vocational certificate, Type B, which qualifies the holder to teach a shop subject for two years in a vocational school.

(2) A Permanent Vocational certificate.

(3) An Interim Vocational certificate, Type A, valid for two years.

(4) A Permanent Vocational Specialist certificate.

(5) An Interim Intermediate certificate in Industrial Arts which qualifies the holder to teach shop work for two years in a public, separate, continuation or high school, to the end of Grade X.

(6) A Permanent Intermediate certificate in Industrial Arts.

(7) A Specialist certificate in Industrial Arts, required in Grades XI and XII of a secondary School.

LETTER OF STANDING

80. (1) Candidates who have fulfilled the requirements for admission to the course leading to the Interim Vocational certificate, Type B, and who are exempted by the Minister of Education from attendance at the Ontario College of Education on account of equivalent training in other provinces of Canada or in other countries of the British Commonwealth of Nations, may be granted a *Letter of Standing* by the Minister valid, for not more than one year from the date of issue, in the corresponding trade subject in a secondary school.

(*a*) Before being granted a *Letter of Standing* an applicant must submit a certificate of physical fitness signed by a medical examiner appointed by the Minister of Education.

(*b*) Before being granted a *Letter of Standing* an applicant must submit a certificate from a competent authority that he is a British subject or a Declaration of Intention to become a Canadian citizen.

(*c*) Before being granted a *Letter of Standing* an applicant must obtain a minimum of 50% in the Trade test.

(2) On the statement of the Principal that the candidate has taught successfully for one year under the authority of a *Letter of Standing*, he may be recommended by the Inspector concerned for the Interim Vocational certificate, Type B.

81. HOME ECONOMICS SUMMER COURSES

(1) *Elementary Course*

A summer course leading to the Elementary certificate in Home Economics will be held from July 6, 1959 to August 7, 1959 for candidates who qualify for either Part I or Part II of the course. Applicants who hold an Interim or Permanent Second Class certificate, a First Class certificate, an Elementary-School Teacher's certificate, a High School Assistant's certificate, are eligible to take Part I. Those who have completed Part I successfully will be admitted to Part II.

The fee for each part of the course is $25.00. An Interim Elementary Home Economics certificate will be granted to teachers who successfully complete both Part I and Part II.

(2) *Intermediate Courses*

Two courses leading to the Intermediate certificate in Home Economics will be held during the summer of 1959. Candidates may take one or the other of these courses depending upon their qualifications.

(*a*) Those who hold an Elementary certificate in Home Economics but are not graduates of a university course in Home Economics, may be admitted to either Part I or Part II of the first course. Part I will be offered from July 6, 1959 to August 7, 1959, but will *not* be offered in 1960. Part II will *not* be offered in 1959 but will be offered from July 4, 1960 to August 5, 1960.

The fee for each part of the course is $25.00. Applications should be submitted not later than June 1, 1959 to the Secretary, Ontario College of Education, 371 Bloor Street West, Toronto 5.

(*b*) Those who hold Interim or Permanent High School Assistant's certificates, Type B, and who submit evidence of graduation with a standing not lower than 60% in the final year of a university Home Economics course, approved by the Minister of Education, in which for the last two years of the course Home Economics has been a regular subject of study may attend the second course leading to the Intermediate certificate in Home Economics.

This course from June 29, 1959 to August 11, 1959 will correspond, as far as possible, to that offered in the regular session as a supplementary course. Written examinations will be held in May 1960. Forty percent of the final mark will be based on the work of the summer session and sixty percent on the written examination. Teaching tests will be required of all candidates either at the Ontario College of Education or, in special cases, at local centres under the supervision of the visiting Provincial Inspector.

The tuition fee, which must be paid to the Chief Accountant of the University before opening day of the course, is $75.00; the examination fee, to be paid in April, is $8.00.

Teachers who wish to enroll in this course should write for application forms before April 15 to the Secretary, Ontario College of Education, 371 Bloor Street West, Toronto 5, and should submit the completed forms to the Secretary before June 1, 1959.

(3) *Type A Course*

A summer course leading to the High School Assistant's certificate, Type A, in Home Economics, will be held from June 29, 1959 to August 11, 1959 for holders of Interim or Permanent High School Assistant's certificates, Type B, who submit evidence of the required standing in the university courses approved by the Minister of Education. The course will correspond, as far as possible, to the course for the Type A certificate, in Home Economics, of the regular session.

The final examinations will be held in May 1960. Forty percent of the final mark will be based on the work of the summer session and sixty percent on the written examination.

Teaching tests will be required of all candidates either at the Ontario College of Education or, in special cases, at local centres under supervision of the visiting Provincial Inspector.

The tuition fee, which must be paid to the Chief Accountant of the University before opening day of the course, is $75.00. The examination fee, to be paid in April, is $8.00.

Teachers who wish to enroll in this course should write for application forms before April 15 to the Secretary, Ontario College of Education, 371 Bloor Street West, Toronto 5, and should submit the completed forms to the Secretary before June 1, 1959.

82. INDUSTRIAL ARTS SUMMER COURSES

(1) *Specialist Course*

Summer courses leading to Specialist certification in Industrial Arts will be held from July 6, 1959 to August 7, 1959. Parts I, II, and III will be offered if enrolment in each part is sufficient.

Requirements for entrance into Part I are: (i) an Intermediate certificate and one year of successful teaching in Industrial Arts; (ii) standing in eight senior matriculation papers; and (iii) above-average grading by the inspector concerned.

For entrance into Part II each candidate shall submit the official record of having completed Part I successfully.

Candidates who wish to apply for entrance to Part III must submit the official records of satisfactory completion of both Part I and Part II.

The fee for each part, to be paid to the Chief Accountant of the University before the opening day of the course, is $25.00.

Applications should be made before June 1, 1959 to the Director of Industrial Arts, Ontario College of Education, 371 Bloor Street West, Toronto 5.

(2) *Intermediate Course*

A special course is offered for Vocational instructors who are teaching Industrial Arts and who desire to acquire Intermediate certificates in this field. The course will consist of two parts of which Part I will be given in 1959 and Part II in 1960, if sufficient numbers apply.

Part I will be held from July 6, 1959, to August 7, 1959.

The fee for each part, to be paid to the Chief Accountant of the University before the opening day of the course, is $25.00.

Application should be made before June 1, 1959 to the Director of Industrial Arts Teacher Education, Ontario College of Education, 371 Bloor Street West, Toronto 5.

83. VOCATIONAL SUMMER COURSES

(1) *Vocational, Type B*

Summer courses leading to the Vocational Certificate, Type B, will be held from July 6, 1959 to August 7, 1959 as follows:

(*a*) Part III of the Emergency and Provincial Institute of Trades course enrolled in 1957. Candidates who were successful in Parts I and II (1957 and 1958) will be admitted. Tuition fee is $70.

(*b*) A course for holders of High School Assistant's certificates who meet Departmental requirements regarding trade experience and who desire Vocational certification. Tuition fee is $25.

(2) *Vocational, Type A*

A summer course leading to the Vocational Certificate, Type A, will be held from July 6, 1959 to August 7, 1959. Parts I and II will be offered.

Requirements for Specialist certification are: (i) a Permanent Vocational Certificate, Type B; (ii) above-average grading by the inspector concerned; (iii) standing in six senior matriculation papers, one of which must be English Composition.

Each beginning candidate must produce official evidence of having standing in at least two senior matriculation papers, one of which must be English.

Tuition fee for each part is $40.

(3) The tuition fees of all vocational summer courses must be paid to the Chief Accountant of the University before the opening day of the course.

Application should be made to the Director of Vocational Teacher Education, Ontario College of Education, 371 Bloor Street West, Toronto 5, before June 1, 1959.

84. GRADUATE DEGREES IN EDUCATION

The Ontario College of Education offers programmes of study leading to the graduate degrees of Bachelor of Education, Master of Education, Master of Arts, Doctor of Education and Doctor of Philosophy.

For information regarding these programmes see the separate announcement "Courses Leading to Graduate Degrees in Education, 1959-60".

The University of Toronto issues the following official calendars, any one of which may be had on application to the Registrar of the University or to the Secretary of the Faculty, School or Institute about which information is sought.

CALENDARS

Admission Requirements
Admission Scholarships and Bursaries
Faculty of Arts
Faculty of Medicine
  Physical and Occupational Therapy
Faculty of Law
Faculty of Applied Science and Engineering
Faculty of Household Science
Ontario College of Education
Library School
Faculty of Forestry
Royal Conservatory of Music
  Faculty of Music
  School of Music
School of Graduate Studies
Faculty of Dentistry
  Dental Hygiene
Faculty of Pharmacy
School of Architecture
School of Physical and Health Education
School of Social Work
School of Nursing
School of Hygiene
Institute of Child Study
Institute of Business Administration
University Extension—
  General Course (Department of Extension)
  Evening Course in Business

Enquiries about the following colleges affiliated with the University of Toronto, should be addressed directly to the Registrar of the College concerned:

Ontario Agricultural College, Guelph, Ont.
Macdonald Institute, Guelph, Ont.
Ontario Veterinary College, Guelph, Ont.

Ontario College of Education
Library
University of Toronto